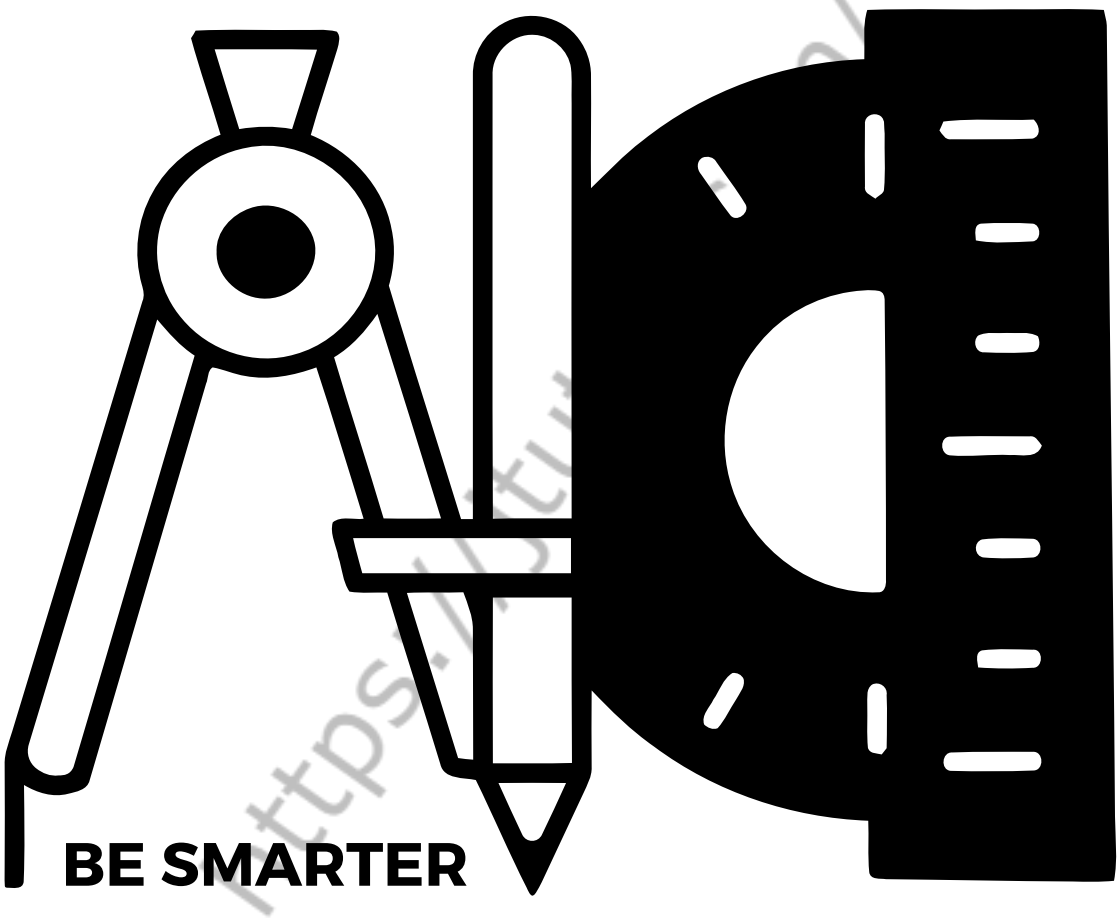
J-TUTES



YEAR 4 WORKBOOK

TERM 1 SYLLABUS

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Place Value

The Ten Digits

The Digits we use today are called “Hindu-Arabic Numerals”:

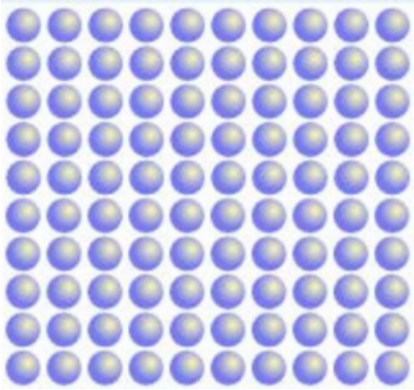
0 1 2 3 4 5 6 7 8 9

Ten Or More ...

When we have more than 9 items, we start **another column** - the “ten” column - and we write down how many “tens” we have, followed by how many “ones” (also called “units”).

A Hundred Or More ...

When we have more than 99 items, we start **another** column - the “hundreds” column - Now we need to show how many Hundreds, Tens and Ones:

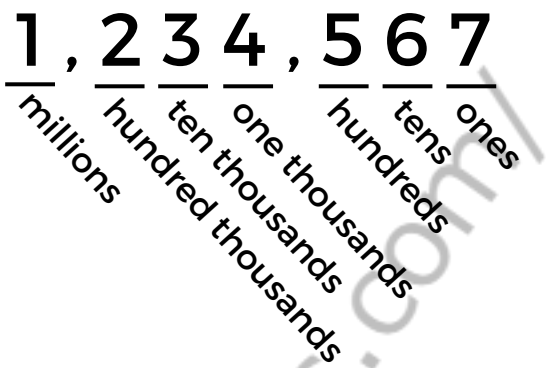
Hundreds	Tens	Ones
1	4	3
		

The Number 143

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

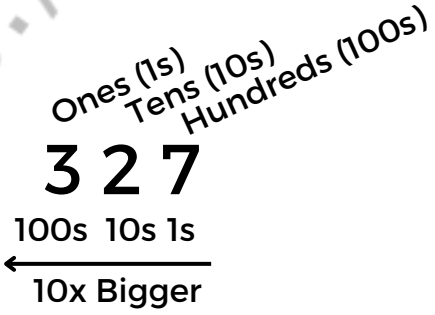
Place Value

When we write numbers, the **position** (or "**place**") of each digit is important



In the number 327:

- the "7" is in the **Ones** position, meaning 7 ones (which is 7),
- the "2" is in the **Tens** position, meaning 2 tens (which is twenty),
- and the "3" is in the **Hundreds** position, meaning 3 hundreds.



"Three Hundred Twenty Seven"

As we move LEFT, each position is 10 times BIGGER!

T**ens** are 10 times bigger than **Ones**
Hundreds are 10 times bigger than **Tens**

... and ...

As we move RIGHT, each position is 10 times SMALLER!

From **Hundreds**, to **Tens**, to **Ones**

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Value of the Digit

1) Write down the place value of 4 in each of these numbers.

a) 341,528 _____ b) 14,763 _____

c) 496,235 _____ d) 45,879 _____

2) Write down the place value of 2 in each of these numbers.

a) 237,645 _____ b) 629,350 _____

c) 2,968 _____ d) 59,241 _____

3) Write down the place value of 8 in each of these numbers.

a) 78,025 _____ b) 895,407 _____

c) 817,930 _____ d) 982,350 _____

4) Write down the place value of 6 in each of these numbers.

a) 160,291 _____ b) 86,143 _____

c) 8,036 _____ d) 61,537 _____

5) Write down the place value of 3 in each of these numbers.

a) 31,769 _____ b) 398,627 _____

c) 23,471 _____ d) 732,804 _____

6) Write down the place value of 1 in each of these numbers.

a) 91,046 _____ b) 148,975 _____

c) 519,768 _____ d) 1,872 _____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Value of the Digit

1) Write down the place value of 5 in each of these numbers.

a) 15,478 _____ b) 513,297 _____

c) 5,904 _____ d) 54,369 _____

2) Write down the place value of 7 in each of these numbers.

a) 379,214 _____ b) 85,873 _____

c) 207,845 _____ d) 71,320 _____

3) Write down the place value of 9 in each of these numbers.

a) 951,164 _____ b) 869,753 _____

c) 59,784 _____ d) 498,257 _____

4) Write down the place value of 2 in each of these numbers.

a) 725,498 _____ b) 276,143 _____

c) 32,017 _____ d) 215,940 _____

5) Write down the place value of 1 in each of these numbers.

a) 26,143 _____ b) 1,809 _____

c) 179,582 _____ d) 318,054 _____

6) Write down the place value of 6 in each of these numbers.

a) 64,953 _____ b) 96,321 _____

c) 169,598 _____ d) 692,714 _____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Value of the Digit

1) Write down the place value of 3 in each of these numbers.

a) 304,529 _____ b) 36,154 _____

c) 436,197 _____ d) 13,086 _____

2) Write down the place value of 9 in each of these numbers.

a) 59,642 _____ b) 9,730 _____

c) 693,201 _____ d) 975,214 _____

3) Write down the place value of 5 in each of these numbers.

a) 259,372 _____ b) 518,673 _____

c) 165,102 _____ d) 589,426 _____

4) Write down the place value of 8 in each of these numbers.

a) 81,549 _____ b) 3,867 _____

c) 8,263 _____ d) 897,405 _____

5) Write down the place value of 7 in each of these numbers.

a) 47,482 _____ b) 72,098 _____

c) 175,634 _____ d) 794,350 _____

6) Write down the place value of 4 in each of these numbers.

a) 849,561 _____ b) 421,065 _____

c) 28,314 _____ d) 94,296 _____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Value of the Digit

1) Write down the place value of 7 in each of these numbers.

a) 37,362 _____ b) 74,501 _____

c) 736,194 _____ d) 47,268 _____

2) Write down the place value of 1 in each of these numbers.

a) 184,093 _____ b) 145,637 _____

c) 461,742 _____ d) 19,256 _____

3) Write down the place value of 2 in each of these numbers.

a) 325,316 _____ b) 62,684 _____

c) 20,879 _____ d) 267,984 _____

4) Write down the place value of 5 in each of these numbers.

a) 579,361 _____ b) 9,578 _____

c) 5,234 _____ d) 54,640 _____

5) Write down the place value of 9 in each of these numbers.

a) 937,164 _____ b) 94,825 _____

c) 29,347 _____ d) 790,286 _____

6) Write down the place value of 3 in each of these numbers.

a) 3,687 _____ b) 639,812 _____

c) 801,234 _____ d) 83,149 _____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Build a 5-digit number from the parts

Example: 71,836 = 70,000 + 1,000 + 800 + 30 + 6

Write the 5-digit numbers

1) _____ 50,000 + 1,000 + 800 + 50 + 7

2) _____ 30,000 + 9,000 + 700 + 20 + 6

3) _____ 90,000 + 1,000 + 600 + 10 + 3

4) _____ 80,000 + 6,000 + 500 + 90 + 8

5) _____ 50,000 + 4,000 + 90 + 5

6) _____ 10,000 + 1,000 + 900 + 90

7) _____ 10,000 + 5,000 + 100 + 40 + 4

8) _____ 60,000 + 9,000 + 300 + 70 + 1

9) _____ 20,000 + 1,000 + 500 + 50 + 1

10) _____ 20,000 + 9,000 + 400 + 20

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Build a 5-digit number from the parts

Example: 71,836 = 70,000 + 1,000 + 800 + 30 + 6

Write the 5-digit numbers

1) _____ 30,000 + 8,000 + 500 + 30 + 2

2) _____ 50,000 + 3,000 + 500 + 10 + 9

3) _____ 80,000 + 3,000 + 3

4) _____ 70,000 + 7,000 + 100 + 60 + 2

5) _____ 40,000 + 500 + 80

6) _____ 40,000 + 3,000 + 100 + 70 + 3

7) _____ 40,000 + 1,000 + 700 + 40 + 1

8) _____ 90,000 + 4,000 + 200 + 80 + 9

9) _____ 90,000 + 1,000 + 600 + 70

10) _____ 40,000 + 9,000 + 900 + 2

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Find the missing place value from a 5-digit number

Find the missing numbers:

1) 100 + 70 + _____ + 6000 + 1 = 16171

2) _____ + 80 + 50000 + 2000 + 1 = 52581

3) 500 + 40 + 40000 + 8000 + _____ = 48547

4) 5000 + _____ + 20 + 7 + 50000 = 55127

5) 20000 + 900 + 70 + 8000 + _____ = 28972

6) 4 + 700 + _____ + 0 + 20000 = 25704

7) 400 + _____ + 4 + 5000 + 80 = 95484

8) 500 + 10 + 30000 + 9000 + _____ = 39510

9) 2000 + _____ + 90 + 8 + 20000 = 22898

10) 400 + _____ + 8 + 1000 + 90 = 81498

11) _____ + 30000 + 700 + 7000 + 2 = 37792

12) 6 + 900 + _____ + 20 + 10000 = 19926

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

Find the missing place value from a 5-digit number

Find the missing numbers:

1) 0 + 300 + _____ + 40000 + 90 = 44390

2) 1 + 400 + 2000 + _____ + 20 = 52421

3) _____ + 80 + 600 + 9000 + 40000 = 49688

4) 2000 + 700 + _____ + 8 + 40000 = 42708

5) _____ + 50 + 900 + 3000 + 30000 = 33953

6) 2 + _____ + 300 + 1000 + 20000 = 21352

7) 3 + 500 + _____ + 60000 + 80 = 68583

8) _____ + 50 + 500 + 0 + 30000 = 30559

9) 50 + _____ + 700 + 8000 + 9 = 98759

10) 6 + _____ + 300 + 6000 + 40000 = 46306

11) 80000 + 700 + 60 + 6000 + _____ = 86766

12) 80 + 80000 + 800 + 2000 + _____ = 82889

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

What number am I?

1) I am a 7 digit number.

I have a 1 in my tens place.
I have a 4 in my ones place.
I have a 6 in my thousands place.
I have a 7 in my hundreds place.
I have a 9 in my millions place.
I have a 4 in my hundred thousands place.
I have a 8 in my ten thousands place.

What number am I?

_____

2) I am a 9 digit number.

I have a 5 in my ones place.
I have a 2 in my hundreds place.
I have a 3 in my tens place.
I have a 7 in my hundred millions place.
I have a 6 in my ten thousands place.
I have a 4 in my hundred thousands place.
I have a 9 in my ten millions place.
I have a 0 in my millions place.
I have a 8 in my thousands place.

What number am I?

_____

3) I am a 10 digit number.

I have a 3 in my hundreds place.
I have a 6 in my tens place.
I have a 7 in my ones place.
I have a 4 in my millions place.
I have a 2 in my ten thousands place.
I have a 9 in my hundred thousands place.
I have a 1 in my thousands place.
I have a 5 in my billions place.
I have a 8 in my ten millions place.
I have a 0 in my hundred billions place.

What number am I?

_____

4) I am a 8 digit number.

I have a 4 in my ten thousands place.
I have a 6 in my hundred thousands place.
I have a 5 in my hundreds place.
I have a 0 in my ones place.
I have a 2 in my thousands place.
I have a 9 in my tens place.
I have a 3 in my millions place.
I have a 1 in my ten millions place.

What number am I?

_____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

What number am I?

1) I am a 8 digit number.

I have a 8 in my millions place.
I have a 2 in my tens place.
I have a 0 in my hundreds place.
I have a 5 in my ten thousands place.
I have a 3 in my thousands place.
I have a 7 in my hundred thousands place.
I have a 9 in my ones place.
I have a 4 in my ten millions place.

What number am I?

_____

2) I am a 10 digit number.

I have a 9 in my billions place.
I have a 5 in my thousands place.
I have a 1 in my hundreds place.
I have a 8 in my tens place.
I have a 0 in my ten thousands place.
I have a 3 in my hundred thousands place.
I have a 7 in my ten millions place.
I have a 6 in my millions place.
I have a 2 in my ones place.
I have a 4 in my hundred millions place.

What number am I?

_____

3) I am a 9 digit number.

I have a 5 in my hundred thousands place.
I have a 9 in my thousands place.
I have a 8 in my ones place.
I have a 7 in my tens place.
I have a 2 in my thousands place.
I have a 4 in my hundreds place.
I have a 3 in my ten millions place.
I have a 1 in my millions place.
I have a 6 in my hundred millions place.

What number am I?

_____

4) I am a 7 digit number.

I have a 2 in my millions place.
I have a 4 in my tens place.
I have a 8 in my hundreds place.
I have a 1 in my hundred thousands place.
I have a 3 in my ten thousands place.
I have a 7 in my thousands place.
I have a 6 in my ones place.

What number am I?

_____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

What number am I?

1) I am a 9 digit number.

I have a 3 in my hundreds place.
I have a 6 in my tens place.
I have a 7 in my thousands place.
I have a 4 in my ones place.
I have a 1 in my ten thousands place.
I have a 5 in my hundred thousands place.
I have a 8 in my hundred millions place.
I have a 0 in my ten millions place.
I have a 9 in my millions place.

What number am I?

_____

2) I am a 8 digit number.

I have a 7 in my ones place.
I have a 5 in my tens place.
I have a 8 in my millions place.
I have a 9 in my thousands place.
I have a 2 in my ten thousands place.
I have a 6 in my hundred thousands place.
I have a 4 in my hundreds place.
I have a 5 in my ten millions place.

What number am I?

_____

3) I am a 7 digit number.

I have a 5 in my ten thousands place.
I have a 6 in my hundreds place.
I have a 2 in my hundred thousands place.
I have a 1 in my thousands place.
I have a 7 in my millions place.
I have a 3 in my tens place.
I have a 8 in my ten ones place.

What number am I?

_____

4) I am a 10 digit number.

I have a 4 in my billions place.
I have a 9 in my tens place.
I have a 5 in my ones place.
I have a 2 in my thousands place.
I have a 6 in my hundred thousands place.
I have a 7 in my ten thousands place.
I have a 3 in my millions place.
I have a 8 in my ten millions place.
I have a 1 in my hundred millions place.
I have a 0 in my hundreds place.

What number am I?

_____

CHAPTER 1 - PLACE VALUES & MULTI DIGIT NUMBERS

What number am I?

1) I am a 10 digit number.

I have a 8 in my hundred millions place.
I have a 5 in my hundreds place.
I have a 1 in my tens place.
I have a 4 in my ten thousands place.
I have a 3 in my thousands place.
I have a 2 in my millions place.
I have a 0 in my hundred thousands place.
I have a 9 in my ten millions place.
I have a 7 in my billions place.
I have a 6 in my ones place.

What number am I?

_____

2) I am a 7 digit number.

I have a 0 in my ones place.
I have a 4 in my tens place.
I have a 9 in my hundreds place.
I have a 6 in my millions place.
I have a 3 in my ten thousands place.
I have a 5 in my hundred thousands place.
I have a 8 in my thousands place.

What number am I?

_____

3) I am a 8 digit number.

I have a 9 in my ones place.
I have a 1 in my hundreds place.
I have a 2 in my tens place.
I have a 0 in my millions place.
I have a 8 in my ten thousands place.
I have a 7 in my hundred thousands place.
I have a 5 in my thousands place.
I have a 3 in my ten millions place.

What number am I?

_____

4) I am a 9 digit number.

I have a 2 in my ones place.
I have a 0 in my thousands place.
I have a 8 in my hundreds place.
I have a 6 in my ten thousands place.
I have a 7 in my tens place.
I have a 4 in my millions place.
I have a 9 in my hundred thousands place.
I have a 5 in my hundred millions place.
I have a 1 in my ten millions place.

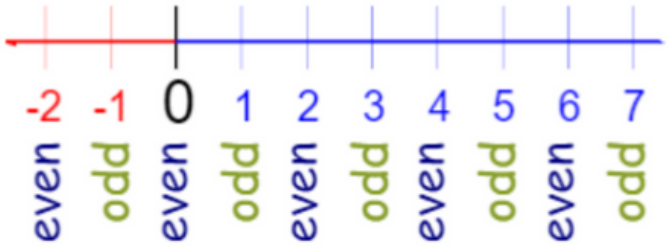
What number am I?

_____

CHAPTER 2 - ODD & EVEN NUMBERS

CHAPTER 2 - ODD & EVEN NUMBERS

Odd and Even Numbers



Odd Numbers

Any integer that **cannot** be divided exactly by 2 is an **odd number.**
The last digit is 1, 3, 5, 7, or 9

Even Numbers

Any integer that **can** be divided exactly by 2 is an **even number.**
The last digit is 0, 2, 4, 6, or 8

Adding and Subtracting

When we add (or subtract) odd or even numbers the results are always:

Operation	Result	Example (red is odd, blue is even)
Even + Even	Even	2 + 4 = 6
Even + Odd	Odd	6 + 3 = 9
Odd + Even	Odd	5 + 12 = 17
Odd + Odd	Even	3 + 5 = 8

CHAPTER 2 - ODD & EVEN NUMBERS

Identify: Odd or Even

A) Circle all the odd numbers.

48	72	97	19	36	80	23
51	34	61	96	25	78	47
40	83	54	75	92	39	88

B) Circle all the even numbers.

98	21	43	67	86	59	32
27	64	15	20	57	95	48
52	93	36	18	41	62	73

C) Multiple choice questions.

1) Choose the greatest odd number.

a) 77 b) 38 c) 51 d) 94

2) Choose the smallest even number.

a) 82 b) 17 c) 64 d) 49

CHAPTER 2 - ODD & EVEN NUMBERS

Identify: Odd or Even

A) Circle all the odd numbers.

49	72	97	58	31	64	23
92	28	15	77	54	86	61
66	51	74	26	98	39	18

B) Circle all the even numbers.

81	65	46	94	27	43	32
36	53	88	45	76	17	50
19	14	62	59	83	22	48

C) Multiple choice questions.

1) Choose the smallest odd number.

a) 52 b) 16 c) 85 d) 37

2) Choose the greatest even number.

a) 78 b) 49 c) 24 d) 61

CHAPTER 2 - ODD & EVEN NUMBERS

Identify: Odd or Even

A) Circle all the odd numbers.

68	91	26	43	82	37	14
83	25	54	98	17	69	40
55	70	99	22	81	48	75

B) Circle all the even numbers.

38	57	14	45	96	29	60
72	31	20	62	44	97	82
10	56	43	87	34	78	95

C) Multiple choice questions.

1) Choose the greatest even number.

a) 14 b) 86 c) 21 d) 93

2) Choose the smallest odd number.

a) 71 b) 52 c) 46 d) 39

CHAPTER 2 - ODD & EVEN NUMBERS

Odd or Even

Write odd or even.

1) 472 _____ 2) 63 _____

3) 91 _____ 4) 18 _____

5) 34 _____ 6) 951 _____

7) 697 _____ 8) 802 _____

9) 228 _____ 10) 35 _____

11) 13 _____ 12) 76 _____

13) 44 _____ 14) 157 _____

15) 789 _____ 16) 330 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Odd or Even

Write odd or even.

1) 29 _____ 2) 506 _____

3) 442 _____ 4) 193 _____

5) 917 _____ 6) 64 _____

7) 14 _____ 8) 31 _____

9) 83 _____ 10) 122 _____

11) 256 _____ 12) 745 _____

13) 657 _____ 14) 38 _____

15) 40 _____ 16) 91 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Odd or Even

Write odd or even.

1) 96 _____ 2) 72 _____

3) 51 _____ 4) 389 _____

5) 238 _____ 6) 856 _____

7) 595 _____ 8) 17 _____

9) 42 _____ 10) 64 _____

11) 89 _____ 12) 311 _____

13) 174 _____ 14) 630 _____

15) 909 _____ 16) 485 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Odd or Even?

Odd numbers end with these digits: 1, 3, 5, 7, or 9
Even numbers end with these digits: 0, 2, 4, 6, or 8

Tell whether each number is odd or even.

a) 5 _____

b) 35 _____

c) 21 _____

d) 73 _____

e) 45 _____

f) 10 _____

g) 66 _____

h) 451 _____

i) 100 _____

j) 502 _____

k) 88 _____

l) 66 _____

m) 14 _____

n) 87 _____

o) 71 _____

p) 53 _____

q) 40 _____

r) 715 _____

s) 9 _____

t) 0 _____

u) An apple tree has 61 apples on it.
Are there an odd or even number of apples on the tree? _____

v) Samantha has 16 cookies.
Does she have an odd or even number of cookies? _____

w) Is the sum of 6+3 odd or even? _____

CHAPTER 2 - ODD & EVEN NUMBERS

Even and Odd Sums

Add to find the sums.
Tell whether each sum is an odd or even number.

a) 3 + 7 _____ (Sum) _____ (Odd or even?)

b) 9 + 9 _____ (Sum) _____ (Odd or even?)

c) 2 + 8 _____ (Sum) _____ (Odd or even?)

d) 7 + 7 _____ (Sum) _____ (Odd or even?)

e) 6 + 4 _____ (Sum) _____ (Odd or even?)

f) 7 + 5 _____ (Sum) _____ (Odd or even?)

g) 6 + 3 _____ (Sum) _____ (Odd or even?)

h) 6 + 1 _____ (Sum) _____ (Odd or even?)

i) 6 + 2 _____ (Sum) _____ (Odd or even?)

j) 7 + 6 _____ (Sum) _____ (Odd or even?)

k) 9 + 0 _____ (Sum) _____ (Odd or even?)

l) 3 + 8 _____ (Sum) _____ (Odd or even?)

m) 5 + 6 _____ (Sum) _____ (Odd or even?)

CHAPTER 2 - ODD & EVEN NUMBERS

Sum & Difference

Without actual addition or subtraction, write whether the sum or difference is odd or even.

1) 65 - 49 _____

2) 182 + 811 _____

3) 23 + 796 _____

4) 54 - 38 _____

5) 987 - 173 _____

6) 702 + 47 _____

7) 41 + 88 _____

8) 226 - 194 _____

9) 369 - 59 _____

10) 632 + 95 _____

11) 121 + 206 _____

12) 75 - 29 _____

13) 400 - 91 _____

14) 58 + 613 _____

15) 79 + 24 _____

16) 832 - 196 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Sum & Difference

Without actual addition or subtraction, write whether the sum or difference is odd or even.

1) 943 + 716 _____

2) 38 - 12 _____

3) 502 - 24 _____

4) 66 + 451 _____

5) 85 + 46 _____

6) 173 + 97 _____

7) 61 - 35 _____

8) 829 - 693 _____

9) 213 + 82 _____

10) 56 - 14 _____

11) 737 - 265 _____

12) 40 + 803 _____

13) 96 + 13 _____

14) 659 - 71 _____

15) 142 - 52 _____

16) 311 + 438 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Sum & Difference

Without actual addition or subtraction, write whether the sum or difference is odd or even.

1) 467 + 89 _____

2) 93 + 18 _____

3) 621 - 257 _____

4) 385 - 92 _____

5) 19 + 48 _____

6) 709 - 515 _____

7) 327 - 74 _____

8) 66 + 46 _____

9) 538 + 926 _____

10) 814 + 89 _____

11) 91 - 31 _____

12) 162 + 205 _____

13) 57 + 774 _____

14) 99 - 13 _____

15) 350 - 165 _____

16) 602 - 72 _____

CHAPTER 2 - ODD & EVEN NUMBERS

Forming Odd/Even Numbers

1) Write the greatest odd number formed by the digits 2, 8 and 5.

_____

2) Write the smallest even number formed by the digits 4, 3, 1 and 6.

_____

3) Write the smallest odd number formed by the digits 7, 2 and 9.

_____

4) Write the greatest even number formed by the digits 5, 7, 6 and 1.

_____

5) Write the greatest odd number formed by the digits 7, 9 and 0.

_____

CHAPTER 2 - ODD & EVEN NUMBERS

Forming Odd/Even Numbers

Part - A

1) Write the smallest even number formed by the digits 4, 7, 3 and 2.

_____

2) Write the greatest odd number formed by the digits 1, 9 and 8.

_____

3) Write the greatest even number formed by the digits 2, 5 and 4.

_____

4) Write the smallest odd number formed by the digits 3, 7, 6 and 8.

_____

Part - B

1) Write all possible even numbers formed by the digits 1, 4 and 6.

_____

2) Write all possible odd numbers formed by the digits 8, 9 and 2.

_____

3) Write all possible even numbers formed by the digits 6, 3 and 7.

_____

4) Write all possible odd numbers formed by the digits 9, 5 and 6.

_____

CHAPTER 2 - ODD & EVEN NUMBERS

Forming Odd/Even Numbers

Part - A

1) Write the greatest odd number formed by the digits 6, 9, 1 and 4.

_____

2) Write the smallest odd number formed by the digits 5, 2 and 7.

_____

3) Write the greatest even number formed by the digits 1, 3, 8 and 6.

_____

4) Write the smallest even number formed by the digits 2, 4 and 9.

_____

Part - B

1) Write all possible odd numbers formed by the digits 8, 7 and 9.

_____

2) Write all possible odd numbers formed by the digits 4, 3 and 6.

_____

3) Write all possible even numbers formed by the digits 2, 8 and 1.

_____

4) Write all possible even numbers formed by the digits 7, 4 and 5.

_____

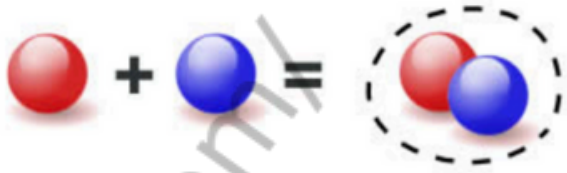
CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Addition is...

... bringing two or more numbers (or things) together to make a new total.

Here 1 ball is added to 1 ball to make 2 balls:



Using Numerals it is:

$$1 + 1 = 2$$

And in words it is:

"One plus one equals two"

Other names for Addition are **Sum, Plus, Increase, Total**

And the numbers to be added together are called the "**Addends**":

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Column Addition without Carry

Step 1: Line up the numbers, using your knowledge of place values

Step 2: Starting from the ones column, add the two digits.

Step 3: Now the tens column, add the two digits.

Step 4: Now the hundreds column, add the two digits and so on.

$$\begin{array}{r} 253 \\ +\ 434 \\ \hline 687 \end{array}$$

Column Addition with Carry

Step 1: Line up the numbers, using your knowledge of place value

Step 2: Starting from the ones column, add the two digits.
7+6 is 13. The 3 stays in the ones column and the 1 (ten) goes into the tens column, at the top.

Step 3: Now the tens column, 5+5=10 then add the 1 from the top. This totals 11.

Step 4: The 1 stays in the tens column and the other 1 goes in the hundreds column.

Step 5: Add up the last column.

$$\begin{array}{r} {\scriptstyle 1\ \ 1\ \ } \\ 457 \\ +\ 356 \\ \hline 813 \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 3-digit numbers in columns

Find the sum.

1) 292 451 + 379	2) 64 982 + 352	3) 651 849 + 535	4) 921 542 + 381
5) 169 281 + 188	6) 727 865 + 750	7) 354 235 + 898	8) 674 310 + 553
9) 838 396 + 639	10) 222 514 + 486	11) 228 597 + 149	12) 878 380 + 175
13) 251 751 + 175	14) 246 512 + 420	15) 454 326 + 925	16) 621 294 + 156

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 4-digit numbers in columns

Find the sum.

1)
$$\begin{array}{r} 2{,}650 \\ +\ 9{,}322 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 1{,}145 \\ +\ 4{,}032 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 6{,}240 \\ +\ 6{,}546 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 2{,}589 \\ +\ 8{,}747 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 1{,}486 \\ +\ 3{,}472 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 4{,}807 \\ +\ 1{,}622 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 9{,}820 \\ +\ 5{,}943 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 6{,}000 \\ +\ 4{,}247 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 7{,}997 \\ +\ 8{,}657 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 8{,}235 \\ +\ 6{,}245 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 9{,}064 \\ +\ 9{,}215 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 3{,}858 \\ +\ 7{,}385 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 2{,}324 \\ +\ 8{,}741 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 8{,}423 \\ +\ 7{,}291 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 2{,}025 \\ +\ 921 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 3{,}411 \\ +\ 3{,}470 \\ \hline \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 4-digit numbers in columns

Find the sum.

1)
$$\begin{array}{r} 9{,}180 \\ +\ 8{,}129 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 2{,}296 \\ +\ 792 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 2{,}983 \\ +\ 1{,}068 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 9{,}974 \\ +\ 209 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 3{,}192 \\ +\ 6{,}925 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 1{,}739 \\ +\ 2{,}509 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 525 \\ +\ 4{,}225 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 5{,}330 \\ +\ 774 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 2{,}097 \\ +\ 7{,}679 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 2{,}462 \\ +\ 749 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 5{,}031 \\ +\ 1{,}796 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 5{,}806 \\ +\ 3{,}554 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 2{,}367 \\ +\ 5{,}691 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 9{,}042 \\ +\ 9{,}054 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 6{,}797 \\ +\ 9{,}721 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 6{,}090 \\ +\ 5{,}344 \\ \hline \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 4-digit numbers in columns

Find the sum.

1)
$$\begin{array}{r} 5{,}263 \\ 1{,}370 \\ 8{,}361 \\ +\ 1{,}266 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 809 \\ 4{,}751 \\ 4{,}744 \\ +\ 4{,}708 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 1{,}669 \\ 2{,}715 \\ 3{,}604 \\ +\ 5{,}508 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 1{,}265 \\ 3{,}190 \\ 2{,}308 \\ +\ 9{,}187 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 2{,}954 \\ 2{,}577 \\ 5{,}966 \\ +\ 6{,}023 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 4{,}550 \\ 1{,}313 \\ 2{,}104 \\ +\ 7{,}497 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 7{,}994 \\ 6{,}711 \\ 6{,}302 \\ +\ 3{,}611 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 6{,}997 \\ 692 \\ 5{,}833 \\ +\ 1{,}795 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 7{,}252 \\ 6{,}927 \\ 3{,}548 \\ +\ 7{,}331 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 2{,}575 \\ 2{,}229 \\ 2{,}374 \\ +\ 8{,}615 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 8{,}832 \\ 7{,}788 \\ 4{,}467 \\ +\ 4{,}993 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 5{,}900 \\ 5{,}204 \\ 3{,}539 \\ +\ 6{,}173 \\ \hline \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 4-digit numbers in columns

Find the sum.

1)
$$\begin{array}{r} 7{,}190 \\ 2{,}106 \\ 2{,}549 \\ +\ 2{,}952 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 845 \\ 8{,}184 \\ 7{,}005 \\ +\ 4{,}346 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 1{,}336 \\ 3{,}250 \\ 2{,}178 \\ +\ 8{,}242 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 9{,}827 \\ 4{,}390 \\ 5{,}649 \\ +\ 5{,}530 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 2{,}592 \\ 2{,}853 \\ 183 \\ +\ 7{,}684 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 5{,}030 \\ 9{,}824 \\ 3{,}345 \\ +\ 4{,}628 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 1{,}312 \\ 5{,}954 \\ 3{,}044 \\ +\ 6{,}125 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 4{,}799 \\ 2{,}388 \\ 9{,}710 \\ +\ 9{,}165 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 4{,}222 \\ 5{,}385 \\ 284 \\ +\ 283 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 207 \\ 4{,}710 \\ 4{,}534 \\ +\ 1{,}191 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 3{,}102 \\ 9{,}697 \\ 1{,}082 \\ +\ 3{,}684 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 355 \\ 3{,}494 \\ 240 \\ +\ 2{,}629 \\ \hline \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Adding three 4-digit numbers in columns

Find the sum.

1)
$$\begin{array}{r} 5{,}885 \\ 9{,}255 \\ 686 \\ +\ 8{,}373 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 7{,}408 \\ 8{,}300 \\ 7{,}700 \\ +\ 6{,}589 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 8{,}299 \\ 6{,}892 \\ 8{,}040 \\ +\ 1{,}837 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 8{,}868 \\ 9{,}521 \\ 4{,}343 \\ +\ 425 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 1{,}072 \\ 5{,}171 \\ 6{,}175 \\ +\ 8{,}626 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 9{,}813 \\ 1{,}090 \\ 7{,}383 \\ +\ 640 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 8{,}092 \\ 1{,}886 \\ 9{,}627 \\ +\ 6{,}247 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 7{,}378 \\ 1{,}786 \\ 832 \\ +\ 8{,}779 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 1{,}966 \\ 9{,}916 \\ 2{,}894 \\ +\ 5{,}941 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 6{,}059 \\ 7{,}666 \\ 4{,}251 \\ +\ 5{,}769 \\ \hline \end{array}$$

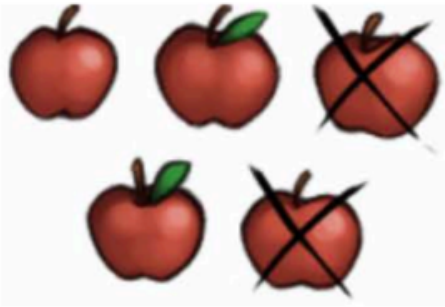
11)
$$\begin{array}{r} 9{,}388 \\ 8{,}240 \\ 54 \\ +\ 4{,}588 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 8{,}706 \\ 2{,}341 \\ 4{,}631 \\ +\ 6{,}729 \\ \hline \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Subtraction is...

... taking one number away from another.



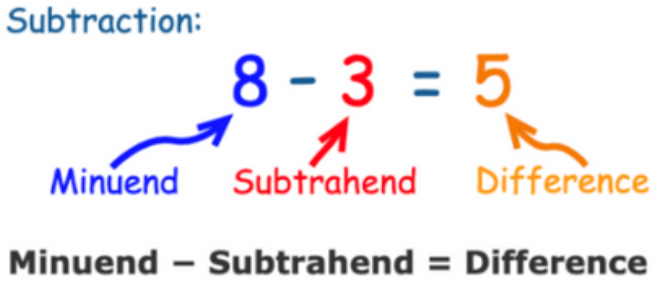
Start with 5 apples,
then **subtract 2,**
we are left with 3 apples.

This can be written:

$$5 - 2 = 3$$

Names

Other names used in subtraction are **Minus, Less, Difference, Decrease, Take Away, Deduct.**
The names of the numbers in a subtraction fact are:



Minuend – Subtrahend = Difference

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Column Subtracting

Step 1: Line up the numbers, using your knowledge of place value. Make sure the larger number is on the top.

Step 2: Starting from the ones column, subtract the 2 digits. 2-1=1, so write 1 in the ones column.

Step 3: Now the tens column, subtract the 2 digits. 3-2=1, so write 1 in the tens column.

Step 4: Finally, subtract the 2 digits in the hundreds column. 4-3=1, so write 1 in the hundreds column.

$$\begin{array}{r} 432 \\ -321 \\ \hline 111 \end{array}$$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

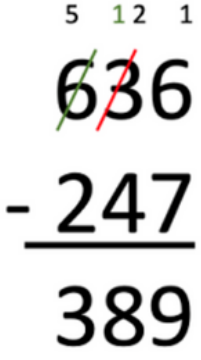
Column Subtracting with Borrowing

Step 1: Line up the numbers, using your knowledge of place value. Make sure the larger number is on the top.

Step 2: Starting from the ones column, subtract the 2 digits.
Unfortunately, you cannot take 7 away from 6.
You have to borrow the tens column.
Cross out the 3 and write a 2.
You then write the borrowed 1 above the 6.
Then now makes 16.
16-7=9.

Step 3: Now the tens column:
You can't do 2-4, so you have to borrow from the hundreds column.
Cross out the 6 and put a 5.
Now the tens columns becomes 12.
12-4=8

Step 4: Finally, take the 2 away from the 5, which equals 3.



CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

2-Digit Subtraction

1) 72 - 60 = 2) 34 - 31 = 3) 67 - 53 =

4) 49 - 42 = 5) 87 - 75 = 6) 55 - 30 =

7) 15 - 14 = 8) 59 - 40 = 9) 76 - 64 =

10) 68 - 56 = 11) 21 - 11 = 12) 38 - 20 =

13) 86 - 83 = 14) 98 - 57 = 15) 17 - 12 =

16) 23 - 10 = 17) 45 - 24 = 18) 99 - 96 =

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

2-Digit Subtraction

1) 98 - 59 = 2) 36 - 17 = 3) 67 - 38 =

4) 32 - 24 = 5) 70 - 61 = 6) 21 - 13 =

7) 76 - 49 = 8) 54 - 26 = 9) 83 - 66 =

10) 50 - 16 = 11) 92 - 84 = 12) 40 - 25 =

13) 65 - 48 = 14) 27 - 18 = 15) 74 - 57 =

16) 41 - 23 = 17) 85 - 79 = 18) 62 - 15 =

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Missing Digits

Find the missing digit in each problem.

1) 97 − 8_ = 14

2) _4 − 58 = 6

3) 3_ − 12 = 20

4) 81 − _3 = 48

5) 44 − _3 = 31

6) 96 − 8_ = 12

7) 7_ − 37 = 42

8) 52 − 2_ = 29

9) _3 − 67 = 16

10) 69 − _7 = 32

11) 1_ − 15 = 2

12) 76 − 6_ = 8

13) 6_ − 33 = 34

14) 85 − 1_ = 66

15) 50 − _2 = 28

16) _4 − 16 = 78

17) 25 − 1_ = 15

18) _2 − 34 = 8

19) 7_ − 17 = 58

20) 59 − _8 = 21

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Missing Digits

Find the missing digit in each problem.

1) $\begin{array}{r} \_8 \\ -\ 24 \\ \hline 54 \end{array}$

2) $\begin{array}{r} 63 \\ -\ 3\_ \\ \hline 27 \end{array}$

3) $\begin{array}{r} \_7 \\ -\ 14 \\ \hline 3 \end{array}$

4) $\begin{array}{r} 56 \\ -\ 2\_ \\ \hline 29 \end{array}$

5) $\begin{array}{r} 33 \\ -\ 2\_ \\ \hline 5 \end{array}$

6) $\begin{array}{r} \_8 \\ -\ 82 \\ \hline 16 \end{array}$

7) $\begin{array}{r} 64 \\ -\ 3\_ \\ \hline 34 \end{array}$

8) $\begin{array}{r} 8\_ \\ -\ 45 \\ \hline 40 \end{array}$

9) $\begin{array}{r} 6\_ \\ -\ 13 \\ \hline 49 \end{array}$

10) $\begin{array}{r} 83 \\ -\ 7\_ \\ \hline 8 \end{array}$

11) $\begin{array}{r} \_8 \\ -\ 10 \\ \hline 18 \end{array}$

12) $\begin{array}{r} 91 \\ -\ \_4 \\ \hline 57 \end{array}$

13) $\begin{array}{r} \_3 \\ -\ 35 \\ \hline 58 \end{array}$

14) $\begin{array}{r} 61 \\ -\ \_1 \\ \hline 30 \end{array}$

15) $\begin{array}{r} 89 \\ -\ 1\_ \\ \hline 77 \end{array}$

16) $\begin{array}{r} 7\_ \\ -\ 46 \\ \hline 24 \end{array}$

17) $\begin{array}{r} 66 \\ -\ \_8 \\ \hline 18 \end{array}$

18) $\begin{array}{r} 9\_ \\ -\ 11 \\ \hline 83 \end{array}$

19) $\begin{array}{r} \_5 \\ -\ 53 \\ \hline 12 \end{array}$

20) $\begin{array}{r} 22 \\ -\ 2\_ \\ \hline 2 \end{array}$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Missing Digits

Find the missing digit in each problem.

1) $5\_ - 49 = 8$

2) $94 - \_1 = 83$

3) $70 - 3\_ = 35$

4) $\_8 - 18 = 30$

5) $81 - \_7 = 64$

6) $5\_ - 43 = 15$

7) $36 - \_7 = 9$

8) $62 - 3\_ = 27$

9) $4\_ - 32 = 8$

10) $73 - \_7 = 46$

11) $9\_ - 31 = 65$

12) $17 - 1\_ = 1$

13) $2\_ - 13 = 15$

14) $95 - 3\_ = 61$

15) $74 - \_6 = 38$

16) $52 - 4\_ = 10$

17) $65 - 3\_ = 26$

18) $\_0 - 10 = 70$

19) $29 - \_1 = 8$

20) $9\_ - 19 = 77$

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Subtraction Drill

1) 649 − 400	2) 248 − 127	3) 550 − 540	4) 346 − 214	5) 853 − 721
6) 938 − 825	7) 746 − 604	8) 323 − 112	9) 852 − 521	10) 499 − 346
11) 455 − 323	12) 622 − 511	13) 928 − 715	14) 543 − 320	15) 289 − 138
16) 224 − 212	17) 953 − 621	18) 747 − 336	19) 479 − 153	20) 655 − 424
16) 867 − 727	17) 566 − 443	18) 239 − 124	19) 938 − 516	20) 740 − 620

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Subtraction Drill

1) 974 − 652	2) 579 − 447	3) 746 − 534	4) 289 − 126	5) 655 − 414
6) 427 − 314	7) 272 − 162	8) 968 − 744	9) 796 − 563	10) 387 − 225
11) 682 − 461	12) 958 − 745	13) 546 − 322	14) 377 − 270	15) 894 − 653
16) 890 − 570	17) 483 − 352	18) 278 − 145	19) 634 − 423	20) 729 − 214
16) 345 − 321	17) 837 − 725	18) 699 − 478	19) 458 − 135	20) 578 − 257

CHAPTER 3 - MULTI DIGIT ADDITION & SUBTRACTION

Subtraction Drill

1) 623 − 146	2) 564 − 385	3) 910 − 423	4) 443 − 204	5) 752 − 528
6) 932 − 571	7) 543 − 464	8) 624 − 215	9) 848 − 729	10) 395 − 158
11) 453 − 314	12) 646 − 438	13) 230 − 115	14) 554 − 247	15) 962 − 756
16) 762 − 647	17) 955 − 546	18) 840 − 339	19) 477 − 158	20) 654 − 425
16) 365 − 227	17) 254 − 105	18) 563 − 416	19) 856 − 638	20) 638 − 529

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit & Two-Digit Addition

1) Mrs. Jenkin's vegerable patch at her home yielded 89 carrots in September and 376 in the next 3 months. What was the total yield of carrots from the vegetable patch?

_____

2) A children's choir has 236 girls and 11 boys. What is the total strength of the children's choir?

_____

3) Alex collects Box Top coupons for his class during the summer break. He gathers 126 coupons in June and 53 the following month. How many coupons in total did Alex collect during his summer break?

_____

4) Olivia has $970 in her savings account and another $86 stashed up in her piggy bank. What does Olivia's total savings amount to?

_____

5) A water park sold 99 tickets for water rides and 293 tickets for water rafting on Sunday. How many tickets did the water park sell in all?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit & Two-Digit Addition

1) Arnold, an avid philatelist has 54 postage stamps. He also has 967 topical stamps. How many stamps in all does Arnold have in his collection?

_____

2) Ryan visited a store. He spent $143 on grocery and $39 on confectionery. How much did he spend in total?

_____

3) Twenty-six cheerleaders from a high school squad participated in a summer camp. There were 272 other cheerleaders in attendance at the camp. How many cheerleaders in all attended the summer camp?

_____

4) Christie and Jude went to pick apples from a nearby farm. Christie picked 100 apples while Jude picked 60 more apples than Christie. How many apples did Jude pick in all?

_____

5) Janet read 341 pages of a novel. Seventy-eight pages remained to be read. How many pages did the novel contain altogether?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit & Two-Digit Addition

1) The Dawson school library lent 186 books on Monday. On Tuesday, 74 books were lent to students. How many books in all were lent by the library over two days?

_____

2) Kylie, a wedding decorator used 946 yellow roses and 65 carnations to decorate the stage backdrop. How many flowers did Kylie use altogether?

_____

3) A team of 47 was joined by 109 more volunteers at a relief camp. How many volunteers were present at the camp in total?

_____

4) Lava's bakery sold 999 cookies during the week leading to Christmas. The following week they sold 90 more cookies than they sold the previous week. How many cookies in all did the bakery sell during the week leading to the New Year?

_____

5) Ben undertook a two-day road trip. He drove 105 miles on the first day. On the second day, he covered 86 more miles than he did on the first day. How many miles did he travel on the second day?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit Addition

1) Viola, a candle maker produces 200 pillar candles and 250 rolled candles in seven days. How many candles in all does Viola make in a week?

_____

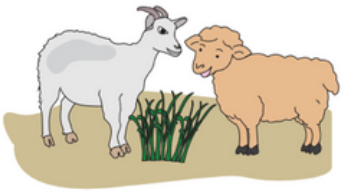
2) A botanical garden houses 360 Juniper bonsais and 150 Ficus bonsais. How many bonsais in all does the botanical garden shelter?

_____

3) In an online archery game, Joshua scored 800 points and his sister, Janet picked up 635 points. How many points did they accumulate altogether?

_____

4) An animal farm has 451 sheep and 320 goats. How many grazing animals does the farm shelter in all?



_____

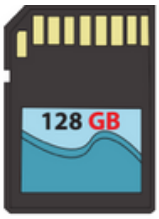
5) Alice made and sold 505 crocheted pot holders and 325 crocheted headbands. How many items did she sell in all?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit Addition

1) Ruben has a 128 GB memory card in which he has stored his office files. He buys a 164 GB memory card to met a new requirement. How much space in all does he have now?



_____

2) Mia bought a gold ring for $595 and a matching bracelet for $195. How much did she spend in total on her purchase of jewelry?

_____

3) Gabriel has 855 baseball cards and 525 hockey cards. How many cards does he have altogether in his collection?

_____

4) Patricia bought an exercise cycle. She burnt 650 calories on the first day and 925 calories on the second day. How many calories did she burn in total over two days?

_____

5) A reptile park houses 210 varieties of lizards and 140 varieties of snakes. How many varieties in all does the reptile park shelter?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Three-Digit Addition

1) Juanita made a savings of $270 on the purchase of an LED TV during a clearance sale. She also made a savings of $100 on the purchase of a coffee maker. How much money did Juanita save altogether?

_____

2) Jacob owns a two-story house. In April, the consumption of electricity was 500 units. The electricity meter recorded 650 units for the month of May. How much electricity was consumed in all?

_____

3) Franklin made a payment of $250 each towards car insurance and credit card dues. What is his total expenditure?

_____

4) Craig is an avid coin collector. He has a variety of 232 foreign coins and 196 American coins of different denominations in his collection. How many coins in all has Craig accumulated?

_____

5) A Willy Wonka vending machine is stocked with 100 Gobstopper candies and 115 Nerds candies. How many goodies does the vending machine contain altogether?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Large Numbers Addtion

1) In 2015, an organization raised $30,700,565 towards the cause of displaced children. The following year, it raised a sum of $45,565,700. How much money did the organization collect altogether over the two-year period?

_____

2) In the 2015 Chicago Marathon, 20,144 male participants and 17,038 female participants completed the race. How many runners in all completed the marathon?

_____

3) A flower show saw an inflow of 1,500 visitors on Saturday and 2,800 visitors on Sunday. How many people in total visited the flower show over the weekend?

_____

4) A courier company delivered 1,015 international packages and 940 domestic packages on 31st December, 2016. How many packages in all did the courier company deliver on New Year's Eve?

_____

5) A famous fast-food chain has 2,000 outlets across the USA. It also has 6,400 restaurants worldwide. How many restaurants in total does the fast-food chain own?

_____

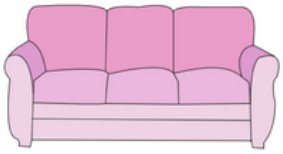
CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Large Numbers Addtion

1) Eight hundred animals found new homes during a pet adoption drive. If 1,200 pets were sent back to their shelters, how many animals in all were put up for adoption at the event?

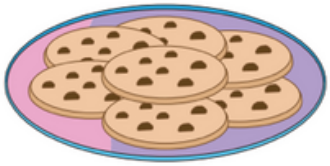
_____

2) Sarah bought a new piece of furniture for her house. She spent $1,700 from her savings account. If $1,100 remained in her account, how much did her savings account initially have?



_____

3) A bakery receives a special order for 2,750 chocolate-chip cookies and 1,650 oatmeal cookies. How many cookies in all did the bakery have to prepare?



_____

4) Texas Marathon has attracted crowds since it began 15 years ago. There are 31,345 participants and 6,775 volunteers at the event. How many people are at the Texas marathon event?

_____

5) A toy manufacturing unit produced 1,500 toys during the day shift. During the night shift, the unit manufactured 650 more toys than it did during the day shift. How many toys were produced in all during the night shift?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Large Numbers Addtion

1) The VLT Institute admitted 4,028 students. By the end of the year, 2,000 more students enrolled in various courses at the institute. What is the total number of students admitted in the institute?

_____

2) The Grant Lending Library has a vast collection of 19,090,261 books. The Trent Lending Library has an extensive collection of 16,342,365 books. What is the total number of books in both the libraries?

_____

3) An ice cream parlor sold 2,600 ice creams on Saturday. The following day, the same parlor sold 2,900 ice creams. How many ice creams did the parlor sell over the weekend?

_____

4) Rebecca auctioned a few of her antiques at an event. She gained $34,700 on the first day and $26,900 on the second day. How much did she gain from the sale of her antiques altogether?

_____

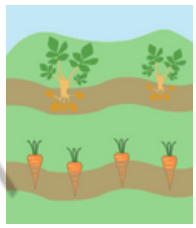
5) Yvonne and Adam took two separate hot-air balloon rides. Yvonne's hot-air balloon reached a height of 2,000 feet above the ground. Adam's hot-air balloon ascended 1,000 feet more than Yvonne's. How many feet did the hot-air balloon on which Adam rode ascend?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

1) A farmer planted potatoes in 132 rows and carrots in 15 rows. How many more rows of potatoes have been planted than carrots?



_____

2) Rhea has 324 postage stamps in her stamp collection while Rhone collected 88 of them. How many more stamps does Rhea have than Rhone?

_____

3) West Point Primary School has a total of 263 students. Forty-nine students are dropped off by their parents and the rest take the school bus. How many students use the bus to get to school?

_____

4) A balloon seller carried 154 Helium balloons. He sold 92 of them. How many balloons did the seller carry now?

_____

5) A public park has 121 park benches. On Sunday evening, 57 benches were occupied by the visitors. How many benches were unoccupied?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

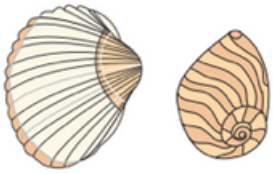
1) A total of 523 students enrolled for a Soccer Program at NJ during the summer break. Ninety-eight students were residents of New York City and the rest of them were from NJ. How many students from NJ took part in the program this year?

_____

2) There are 225 pastries and cakes altogether in a bakery. The baker sold all the 63 cakes he had. How many pastries remain to be sold?

_____

3) Susan collected 101 seashells from the beach. She gave 12 to her sister Mary. How many seashells does Susan have now?

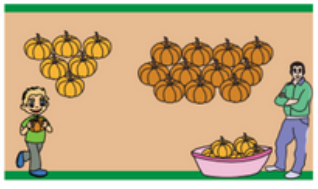


_____

4) The Summit's middle school with 825 students organized a fete. The parents of 79 students did not turn up for the celebration. How many students were accompanied by their parents?

_____

5) Mr. Blake harvested 213 pumpkins. He gave 31 of them to his neighbours on behalf of Thanksgiving Day and the rest to the farmers market. How many pumpkins were sent to the farmers market?



_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

1) A salon got 340 customers in a particular week. If 75 women cut and styled their hair, how many men came to the salon?

_____

2) An apparel factory made 181 pairs of shoes on Monday and 98 pairs the next day. How many more pairs of shoes were made on Monday than Tuesday?

_____

3) Sunny downloaded a few mobile applications for which his phone memory occupied 487 MB. He then deleted a few apps to clear 67 MB. What is the remaining memory space occupied by the mobile apps?

_____

4) A primary school has a total strength of 302 students. The last week's bad weather resulted in 52 children staying back home. How many children attended school during the week of inclement weather?

_____

5) A private company bus had to pick 100 employees and drop them at the company premises. If 15 among them left for a conference, how many travelled in the office bus?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

4-Digit Subtraction

1) The SLGS cargo ship carries 4,000 containers. Of them, 2,786 are 20-foot containers and the remaining are 40-foot containers. How many 40-foot containers have been loaded on to the cargo ship?

_____

2) Ryan and Thomas contest for a local boy election. Ryan receives 8,983 votes and Thomas receives 6,298 votes. Find by how many votes Ryan won the election?

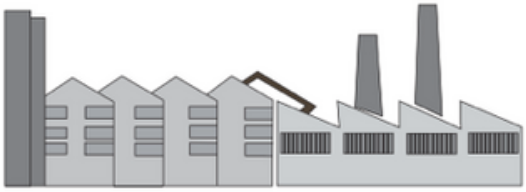
_____

3) Fred borrowed a sum of $8,000 from a moneylender. He repaid the sum with interest. If he paid $9,800 to the moneylender, !nd the interest Fred paid for the sum of amount he borrowed?

_____

4) The production floor of a manufacturing company has 3,210 employees working in two phases. 2,019 workers work in the first phase. How many of them work in the second phase?

_____



5) The Hill Top restaurant used 1,123 pounds of chicken on Thursday. The following day it used 1,562 pounds. How many extra pounds of chicken did the restaurant use on Friday?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

4-Digit Subtraction

1) The outer envelop temperature of the oxy-acetylene flame is 2,300^{0}F. The inner core temperature of the flame is 5,500^{0}F. Find the temperature difference between the outer envelop and inner core of the flame?

_____

2) Frank and Ethan are on a cross country trip from New York city to San Francisco. They need to cover 3,564 miles. If they have travelled 1,268 miles, how many more miles will they have to drive to reach San Francisco?

_____

3) The ex-showroom price of a small car is $8,900. The price of the same car on-road is $9,027. Find the difference between the ex-showroom and on-road price of the car?

_____

4) Mr. Higgins invested $4,380 to buy a share. Due to stock market fluctuations, the share value decreased by $1,111. How much is the investment on share worth now?

_____

5) Lily's Pretzel Stand sold 2,156 pretzels last month. This month, 3,987 pretzels were sold out. How many more pretzels were sold this month?

_____

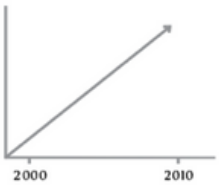
CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

4-Digit Subtraction

1) Dane works in the post office earning $2,095 per month. His monthly mortage payment is $1,061. How much money does Dan have after his mortage payment?

_____

2) West point, a quaint town in Virginia had a population of 2,866 in the year 2000. In 2010, the population increased to 3,306. How much larger has the population increased in the last 10 years?



_____

3) 3,467 people participated in an annual dog show. If 1,283 people were dog owners, how many of them were spectators?

_____

4) A start-up IT company places an order for 9,675 desktop computers. Among them 1,203 were faulty machines. How many desktop computers are in working condition?

_____

5) Jared drove 8,845 miles on his Chevy in the year 2015. The next year, he drove 9,620 miles. How many more miles did Jared drive his car in the year 2016?

_____

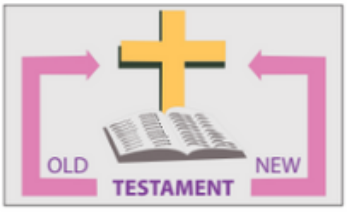
CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

1) A large tanker truck can hold up to 11,000 gallons of oil. If the truck already contains 9,365 gallons of oil, how many more gallons of oil will be required to fill the tanker?

_____

2) There are 23,145 verses in the old testament of the Bible. The new testament has 7,957 verses. How many fewer verses does the new testament have than the old testament?



_____

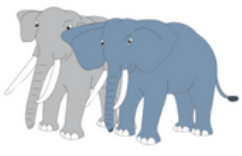
3) The office operating expenses of a company amount to $2,340 a month. The previous month the expenses amounted to $1,985. What is the increase in the expenditure to the company this month?

_____

4) In the year 2014, 835,478 participants took part in the Newyork City Marathon. The race had 50,386 finishers. How many participants were unable to complete the marathon?

_____

5) Which is the heaviest mammal-Asian elephant or African elephant? The average weight of an Asian elephant is 11,950 pounds and that of an African elephant is 13,220 pounds. What is the difference in weight?



_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

1) Ryan managed to collect $4,756 for Charity. He decided to share them between an old-aged home and an orphanage for children. If he gave $2,378 to the old-aged home, how much did he o!er the orphanage?

_____

2) 34,890 people visited the country fair last weekend. 12,780 visited the fair on Saturday and the remaining on Sunday. How many visitors visited the country fair on Sunday?

_____

3) A hospital treated about 45,000 patients last year. If 32,780 among them were children, how many adult patients were treated at the hospital?

_____

4) When the moon is farthest away from the Earth it's 252,088 miles away. When the moon is closest to the Earth it's 225,623. What is the difference between the farthest and the closest points of the moon?

_____

5) 56,748 students enroll for a national level talent search examination. 1,024 do not appear for the exam. How many students competed in the examination?

_____

CHAPTER 4 - MULTI DIGIT ADDITION & SUBTRACTION (WORD PROBLEMS)

Subtraction

1) On an average, 954,000 people visit the Australian War Memorial every year. Of them, about 56,000 are war veterans. How many other common people visited the war memorial?

_____

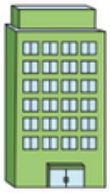
2) The local post office on an average handles 74,870 parcels annually. 55,000 are delivered to remote places and the rest are delivered within a radius of about 10 miles. Find the number of parcels delivered within a radius of 10 miles?

_____

3) The annual budget of a public library is about $450,000. $370,530 is expected to be raised from corporate funds and the rest through public donations. What is the amount to be raised through donations to meet the annual budget?

_____

4) A large construction company employs 4,536 managers for various projects. If 1,187 construction managers are employed, how many assistant managers work with them?



_____

5) 897,453 pearl oysters were cultured in a farm. Pearls were harvested from only 653,247 oysters. How many oysters did not make any pearls?

_____

WEEK 5 - MATERIAL FOR THIS WEEK WILL BE PROVIDED BY YOUR TUTOR IN THE CLASS

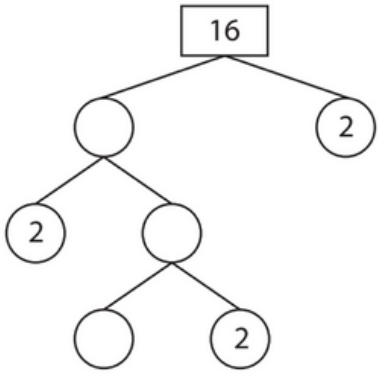
CHAPTER 6 - FACTORS & MULTIPLES

CHAPTER 6 - FACTORS & MULTIPLES

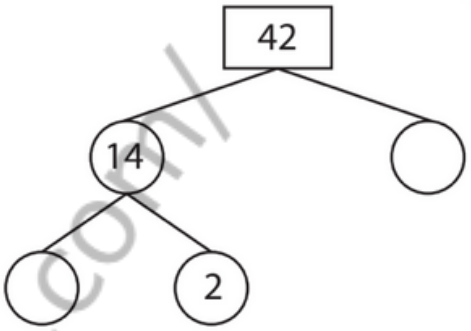
Prime Factor Tree

Complete the prime factor tree for each number.

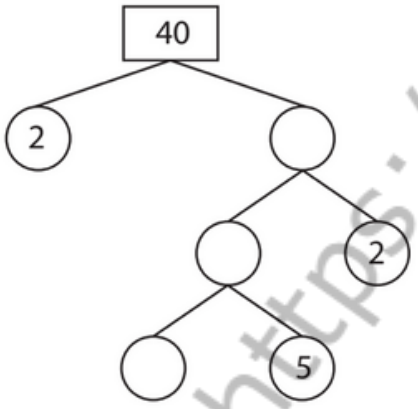
1)



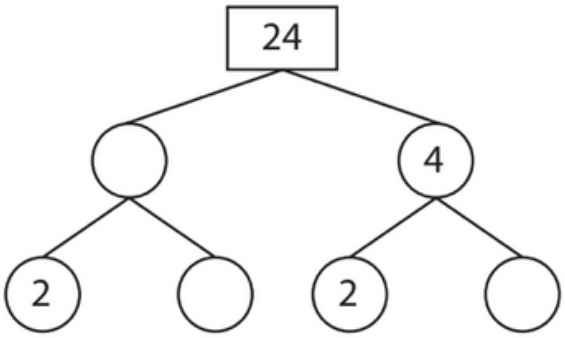
2)



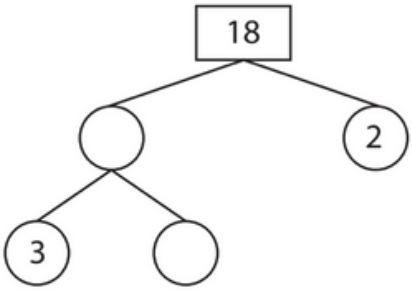
3)



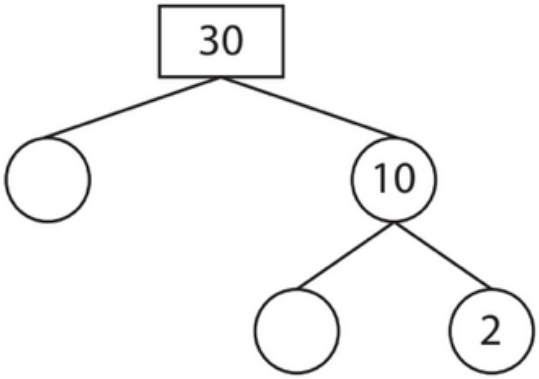
4)



5)



6)

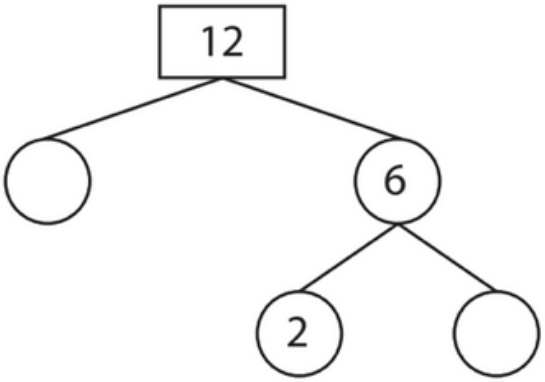


CHAPTER 6 - FACTORS & MULTIPLES

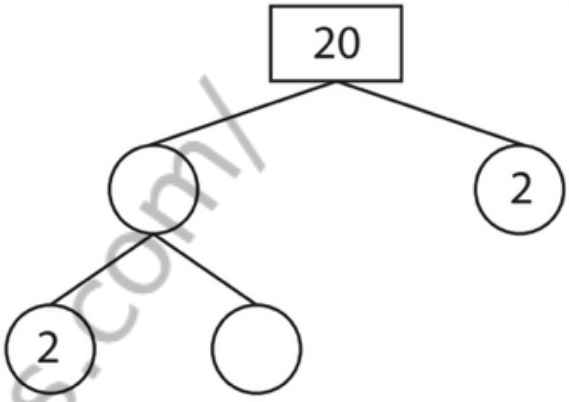
Prime Factor Tree

Complete the prime factor tree for each number.

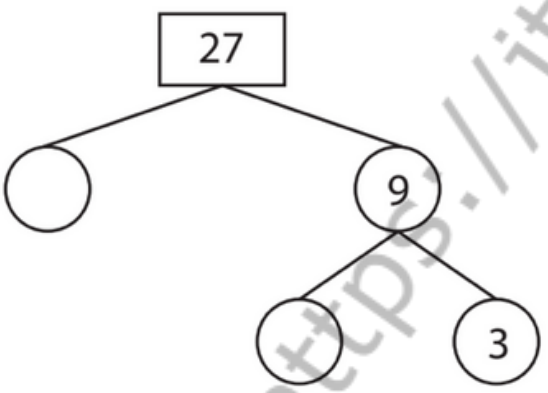
1)



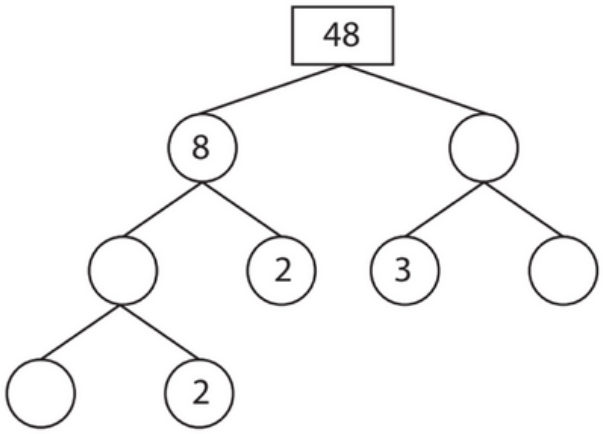
2)



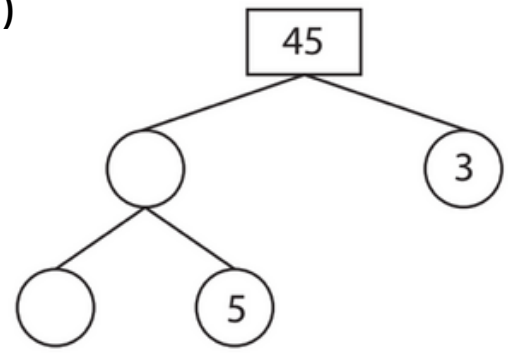
3)



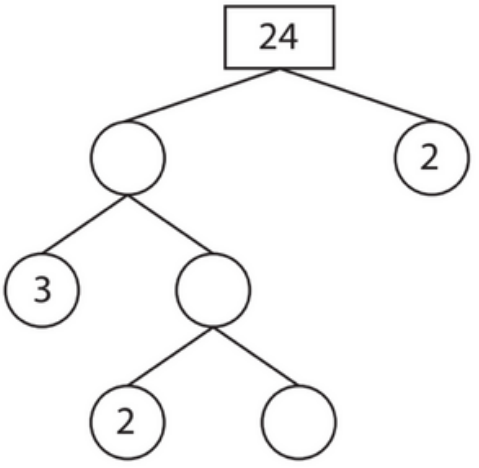
4)



5)



6)

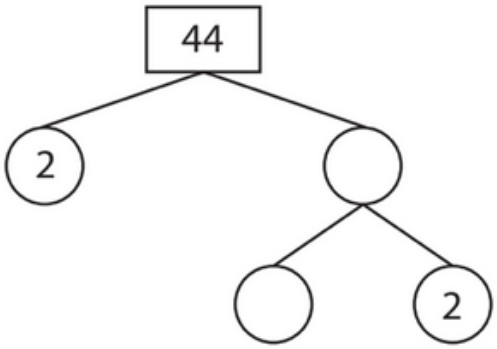


CHAPTER 6 - FACTORS & MULTIPLES

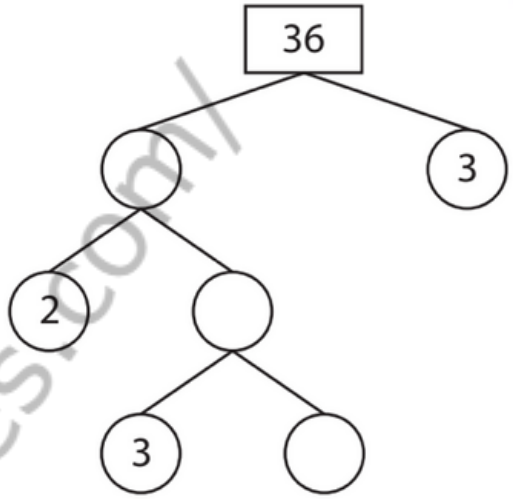
Prime Factor Tree

Complete the prime factor tree for each number.

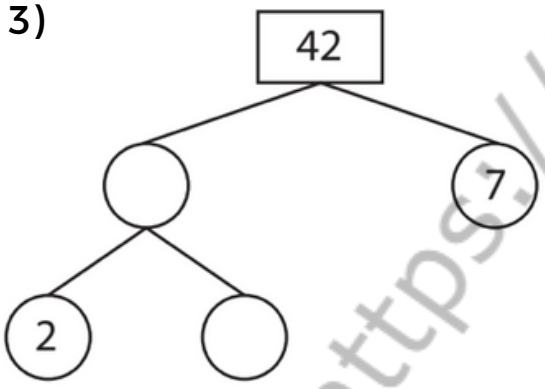
1)



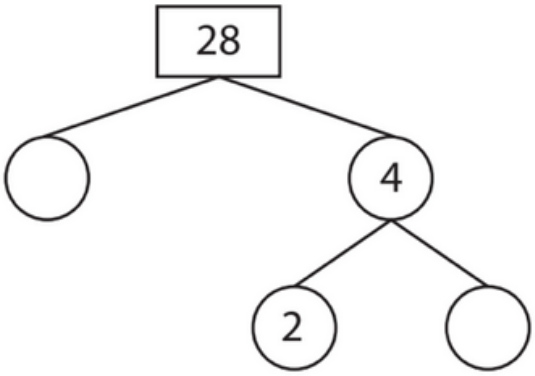
2)



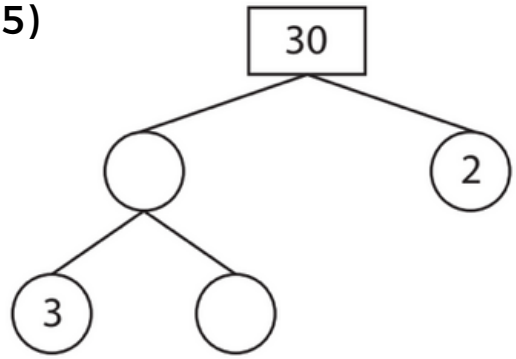
3)



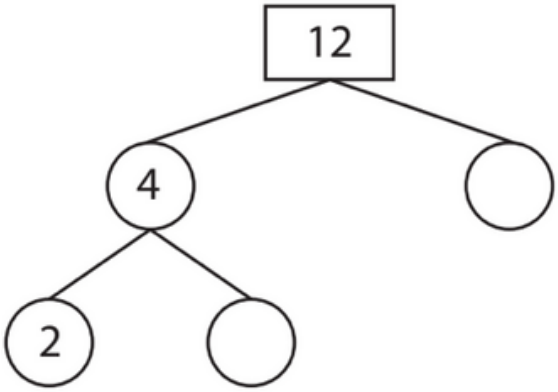
4)



5)



6)



CHAPTER 6 - FACTORS & MULTIPLES

Prime Factor Tree

Draw a prime factor tree for each number.

1) 12

2) 32

3) 40

4) 28

5) 18

6) 44

CHAPTER 6 - FACTORS & MULTIPLES

Prime Factor Tree

Draw a prime factor tree for each number.

1) 30

2) 18

3) 28

4) 36

5) 42

6) 50

CHAPTER 6 - FACTORS & MULTIPLES

Prime Factor Tree

Draw a prime factor tree for each number.

1) 24

2) 30

3) 12

4) 48

5) 45

6) 20

CHAPTER 6 - FACTORS & MULTIPLES

Multiple Choice

1) Which of the following number has both 3 and 4 as factors?

   a) 16 b) 6 c) 24 d) 20

2) Which of the following number is a factor of 12 but not a factor of 16?

   a) 2 b) 3 c) 4 d) 8

3) Which of the following number has both 6 and 8 as factors?

   a) 64 b) 12 c) 48 d) 42

4) Which of the following number is a factor of 24 but not a factor of 36?

   a) 2 b) 3 c) 4 d) 8

5) Which of the following number has both 2 and 3 as factors?

   a) 12 b) 14 c) 8 d) 15

6) Which of the following number is a factor of 15 but not a factor of 12?

   a) 2 b) 3 c) 6 d) 5

7) Which of the following number has both 3 and 6 as factors?

   a) 21 b) 36 c) 27 d) 33

8) Which of the following number is a factor of 4 but not a factor of 6?

   a) 4 b) 3 c) 2 d) 6

CHAPTER 6 - FACTORS & MULTIPLES

Multiple Choice

1) Which of the following number has both 4 and 7 as factors?

a) 28 b) 36 c) 20 d) 42

2) Which of the following number is a factor of 8 but not a factor of 18?

a) 2 b) 6 c) 3 d) 4

3) Which of the following number has both 3 and 5 as factors?

a) 25 b) 6 c) 45 d) 18

4) Which of the following number has both 3 and 5 as factors?

a) 48 b) 38 c) 16 d) 26

5) Which of the following number is a factor of 18 but not a factor of 12?

a) 4 b) 9 c) 2 d) 3

6) Which of the following number is a factor of 30 but not a factor of 40?

a) 5 b) 2 c) 3 d) 10

7) Which of the following number has both 3 and 7 as factors?

a) 14 b) 27 c) 28 d) 42

8) Which of the following number is a factor of 28 but not a factor of 36?

a) 2 b) 7 c) 9 d) 3

CHAPTER 6 - FACTORS & MULTIPLES

Multiple Choice

1) Which of the following number has both 2 and 11 as factors?

a) 44 b) 28 c) 33 d) 16

2) Which of the following number is a factor of 24 but not a factor of 16?

a) 4 b) 8 c) 6 d) 2

3) Which of the following number has both 7 and 8 as factors?

a) 24 b) 42 c) 48 d) 56

4) Which of the following number has both 4 and 12 as factors?

a) 36 b) 44 c) 20 d) 16

5) Which of the following number is a factor of 18 but not a factor of 24?

a) 2 b) 3 c) 9 d) 6

6) Which of the following number is a factor of 10 but not a factor of 15?

a) 3 b) 2 c) 5 d) 15

7) Which of the following number has both 3 and 9 as factors?

a) 24 b) 39 c) 27 d) 12

8) Which of the following number is a factor of 12 but not a factor of 42?

a) 2 b) 4 c) 3 d) 6

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 829 x 40

2) 362 x 15

3) 491 x 29

4) 215 x 36

5) 951 x 84

6) 536 x 60

7) 158 x 72

8) 692 x 57

9) 726 x 93

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 814 x 49

11) 372 x 35

12) 487 x 18

13) 180 x 31

14) 698 x 26

15) 500 x 54

16) 285 x 68

17) 925 x 37

18) 382 x 41

19) 416 x 80

20) 721 x 26

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 416 x 48

2) 501 x 16

3) 374 x 27

4) 239 x 92

5) 967 x 34

6) 143 x 86

7) 638 x 75

8) 821 x 63

9) 769 x 55

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 541 x 29

11) 245 x 17

12) 910 x 42

13) 307 x 76

14) 436 x 82

15) 983 x 31

16) 119 x 65

17) 852 x 49

18) 748 x 12

19) 506 x 67

20) 281 x 58

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 741 x 28

2) 910 x 19

3) 175 x 30

4) 258 x 95

5) 619 x 36

6) 387 x 29

7) 592 x 17

8) 484 x 68

9) 195 x 74

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 838 x 35

11) 621 x 24

12) 496 x 83

13) 741 x 99

14) 513 x 81

15) 204 x 59

16) 923 x 10

17) 387 x 46

18) 690 x 15

19) 811 x 78

20) 624 x 27

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

1) 357 x 268

2) 858 x 501

3) 140 x 930

4) 415 x 590

5) 355 x 144

6) 431 x 615

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

7) 712 x 999

8) 274 x 230

9) 541 x 827

10) 632 x 616

11) 462 x 578

12) 979 x 348

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

1) 837 x 579

2) 773 x 412

3) 632 x 246

4) 847 x 710

5) 325 x 380

6) 722 x 490

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

7) 647 x 260

8) 590 x 417

9) 926 x 821

10) 269 x 500

11) 158 x 150

12) 344 x 188

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

1) 351 x 211

2) 626 x 627

3) 814 x 271

4) 369 x 721

5) 956 x 178

6) 722 x 680

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

3-Digit Multiplication

7) 690 x 110

8) 504 x 703

9) 435 x 577

10) 565 x 897

11) 411 x 418

12) 643 x 330

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 5,789 x 5

2) 9,505 x 7

3) 683 x 6

4) 4,826 x 8

5) 783 x 9

6) 6,820 x 1

7) 9,125 x 4

8) 126 x 3

9) 2,916 x 2

10) 391 x 8

11) 7,638 x 5

12) 4,273 x 7

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 3,298 x 4

2) 5,184 x 9

3) 973 x 6

4) 8,190 x 1

5) 251 x 8

6) 9,274 x 2

7) 777 x 3

8) 6,489 x 5

9) 8,344 x 7

10) 542 x 4

11) 2,187 x 6

12) 708 x 9

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 325 x 2

2) 1,498 x 8

3) 412 x 7

4) 9,359 x 4

5) 2,640 x 5

6) 946 x 3

7) 8,147 x 9

8) 376 x 1

9) 109 x 2

10) 3,906 x 6

11) 648 x 8

12) 7,000 x 7

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 4,151 x 4

2) 875 x 5

3) 6,892 x 3

4) 9,523 x 9

5) 1,378 x 2

6) 3,605 x 1

7) 300 x 7

8) 4,899 x 9

9) 294 x 6

10) 8,120 x 5

11) 5,676 x 4

12) 567 x 2

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 7,890 x 9

2) 5,723 x 8

3) 935 x 7

4) 846 x 6

5) 683 x 5

6) 705 x 4

7) 4,186 x 3

8) 1,468 x 2

9) 9,195 x 1

10) 7,642 x 8

11) 623 x 7

12) 516 x 6

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 485 x 5

2) 391 x 4

3) 5,549 x 3

4) 6,793 x 2

5) 8,495 x 9

6) 4,630 x 1

7) 240 x 8

8) 3,347 x 3

9) 1,172 x 5

10) 197 x 4

11) 7,436 x 9

12) 2,241 x 6

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 12,492 x 45

2) 6,192 x 36

3) 53,476 x 77

4) 8,104 x 92

5) 73,438 x 81

6) 2,130 x 62

7) 92,603 x 43

8) 5,142 x 17

9) 74,267 x 38

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 4,201 x 29

11) 6,084 x 70

12) 27,379 x 83

13) 19,892 x 65

14) 35,274 x 26

15) 7,483 x 48

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 2,367 x 56

2) 61,120 x 28

3) 4,342 x 37

4) 35,674 x 75

5) 5,468 x 69

6) 78,276 x 92

7) 8196 x 53

8) 92,034 x 80

9) 6,810 x 19

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 74,582 x 28

11) 1,640 x 35

12) 83,999 x 78

13) 5,731 x 62

14) 45,192 x 43

15) 70,589 x 94

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

1) 48,037 x 69

2) 64,823 x 98

3) 5,142 x 17

4) 3,572 x 26

5) 97,340 x 73

6) 35,264 x 45

7) 76,043 x 52

8) 1,342 x 87

9) 4,619 x 54

CHAPTER 7 - MULTI-DIGIT MULTIPLICATION

Multiplication

10) 8,460 x 38

11) 63,451 x 66

12) 25,648 x 10

13) 30,643 x 99

14) 5,408 x 99

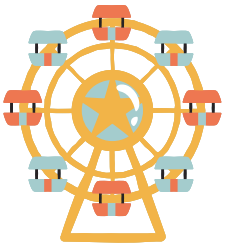
15) 19,208 x 99

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

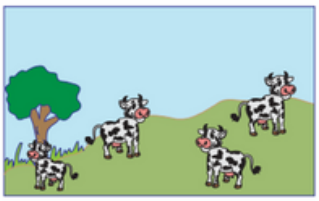
2-Digit Multiplication

1) A Ferris wheel completes a rotation in 53 seconds. How many seconds in all would it take to complete 13 rotations?



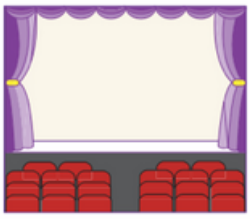
_____

2) A small dairy farm produces 87 gallons of milk in a day. How many gallons of milk will it produce in 15 days?



_____

3) The auditorium at Lion's school has 28 rows in all. If each row consists of 95 seats, calculate the total capacity of the auditorium?



_____

4) Clara and her friends take an average of 13 hours to mow a community lawn over a weekend. How many hours on an average will they take to mow 14 such lawns?

_____

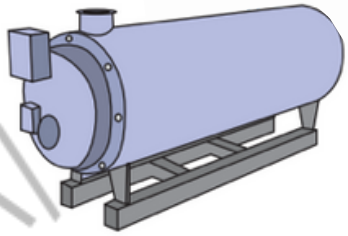
5) It takes an hour for a car manufacturing company to assemble 11 cars. How many cars can the company assemble in 56 hours?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

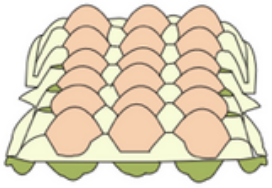
2-Digit Multiplication

1) A two-ton boiler consumes 22 gallons of fuel a day. How many gallons of fuel will the boiler consume in 17 days?



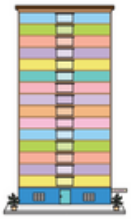
_____

2) If a large egg contains 70 calories of energy, how many calories of energy would 18 such eggs contain?



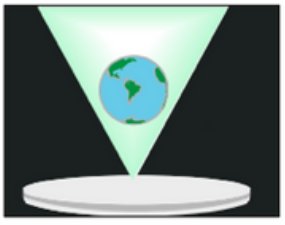
_____

3) John lives on the thirteenth floor of a high-rise apartment. He is on the first floor and there is a power failure. It takes 24 steps to get to each floor. How many steps will he need to climb to get home?



_____

4) 12 different decorative punches are punched on a piece of metal to create a pattern. How many punches should be punched to create 32 such patterns?



_____

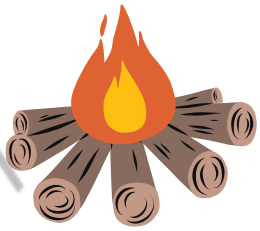
5) In the event of a blackout, a commercial building uses 16 portable generators to light up a single floor. How many generators will be required to light up 19 floors in the building?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

2-Digit Multiplication

1) Thirteen logs of wood are required to keep a camp re burning for an hour. How many logs will be required to keep the re burning for 10 straight hours?



_____

2) The New York City Subway has a total of 15 compartments. If 28 passengers get into each compartment at Queens, how many passengers in all would have boarded the train?

_____

3) A rack in Javier's study can hold up to 27 medium-sized books. If there are 11 such racks, how many books will they hold in all?

_____

4) John bought 16 t-shirts during a Thanksgiving sale. If each shirt was priced at $25, how much did he spend on his purchase?

_____

5) An afforestation plan states that 36 saplings must be planted for every acre of land cleared for commercial purposes. How many saplings should be planted across 18 acres of land?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

Multiplication - Winter Theme

1) John builds 4 snowmen every day for a week leading upto Christmas. How many snowmen did he build in all?

_____

2) John and his twin, Trevor were gearing up for a snowball fight! Trevor made three times the number of snowballs more than John. If John made 12 snowballs, how many snowballs did Trevor make?

_____

3) Trevor decorated his winter scrapbook with 8 paper snowflake stickers for each page. If the scrapbook has 15 pages in all, how many snowflake stickers did Trevor use?

_____

4) Mr. Allen buys 9 Christmas stockings to decorate the replace mantel. If a stocking costs $12, how much did Mr.Allen spend in all on his purchase?

_____

5) The Allen twins invited 8 friends over for a 'Batman' themed party. They had 2 cups of hot chocolate each through the day. How many cups of hot chocolate did Mrs. Allen make for her sons and their friends?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

Multiplication - Ice Skating Rink

1) Gina Newman enrolls for group skating lessons at the Hoop Academy, She attends 30 minute lessons over six days. How many minutes in all did Gina spend on skating lessons?

2) The Hoop Academy charges $8 for a 30 minute lesson. If Gina and 11 other children have attended one lesson, how much money did the academy collect?

3) Gina's brother, Hugh attends ice hockey classes at the Hoop Academy and rents ice hockey gear for $4 per hour. If Hugh has used the gear for 3 hours in all, how much would have to pay toward the rental?

4) Gina's big sister, Sasha is practicing for an inter-school skating championship at the Hoop Academy. If she puts in 3 hours of practice over 16 days, how many hours in all did she spend on her practice sessions?

5) Mr. Newman enrolls as part of a 6 member team in the Adult Ice Hockey League at the Hoop Academy. If each member has to pay $500 toward registration, how much did Mr. Newman's team have to pay in all?

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

Multiplication - Ice Skating Rink

1) Suzy is a member at the Sunnydale Library. She is accompanied by her three children on a visit to the library. All of them, including Suzy borrow 5 books each. How many books in all were borrowed from the library?

2) The largest collection of books at Sunnydale can be found in the biography section. They are arranged across 50 shelves in the library. If each shelf holds 100 books, how many biographies does the library contain in all?

3) The Sunnydale Library has an extensive collection of DVD's. It rents out seventy ve DVD's on Friday. If the rental charge per DVD is $2, how much money in all did the library make through the rentals?

4) The Sunnydale Library checks out an average of 20 books per hour. Find the number of books on an average that will be checked out in 6 hours?

5) The public library conducted a book sales on old paperbacks. Suzy bought 24 of them. If each book was priced at $3 each, how much did Suzanne spend in all on her purchase?

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

3-Digit by 2-Digit Multiplication

1) A distilled water supplier supplies an average of 57 cans of water a day to a medium-scale company. Find the number of cans it would sell in a leap year?

_____

2) Bennett, a craftsman receives an order to silver-plate 103 teapots. He charges $32 to silver-plate a teapot. How much is the order worth?

_____

3) A private art gallery managed to sell a total of 98 paintings in one day. The sales averaged out to $482 per painting. Find the revenue generated from the sales made by the art gallery?

_____

4) A team of soccer players spend an average of 15 minutes on weight training per practice session. How many minutes of weight training on an average would they have completed in 116 practice sessions?

_____

5) A semiskilled worker in a steel manufacturing company earns $79 as daily wages. How much will the company need to pay 313 such workers employed with them?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

3-Digit by 2-Digit Multiplication

1) A train that connects two towns has 42 stops on its route. The train halts for 154 seconds at each stop. How many seconds in total would the train halt during the entire journey?

_____

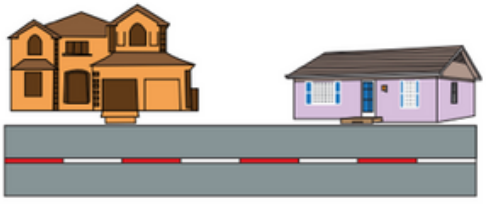
2) A firework factory sells 50 packs of cherry bombs in a carton. How many packs of cherry bombs will be found in 250 such cartons?

_____

3) The church hall has 108 rows. Each row can accomodate 25 people. What is the total capacity of the church hall?

_____

4) Kenny's and Nancy's home towns are 478 miles apart. Kenny's and Michael's home towns are separated by 12 times that distance. What is the distance between Kenny's and Michael's home towns?



_____

5) A barbecue restaurant chargrills an average of 78 pounds of chicken in a day. Find the amount of chicken, the restaurant would require for 287 days?

_____

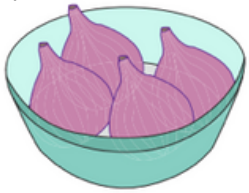
CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

3-Digit by 2-Digit Multiplication

1) A deck has 52 playing cards. A playing card factory prints 989 decks in 24 hours. How many cards in all will be printed in a day?

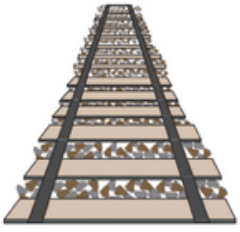
_____

2) A cup of dried, uncooked gs contains 371 calories. How many calories on an average would 13 cups of gs contain?



_____

3) According to the 1995 update on the cost of rehabilitation of railroads in Missouri, 600 tons of ballast was required to rehabilitate one mile of line road. How many tons would be required to cover 83 miles of line road?



_____

4) Anna goes cross-country skiing. She covers 192 yards on an average in a minute. How many yards will she cover on an average in 32 minutes?

_____

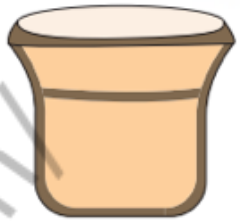
5) Layla purchased 14 books online. It took an average of 135 seconds for each book to download. How many seconds on an average did it take to download all the books she had ordered?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

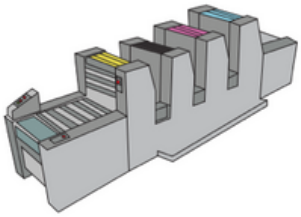
3-Digit Multiplication

1) Rachel sells oval pot planters. A particular variety was priced at $109. She sold 110 such pot planters. What was the revenue generated from the sales she made?



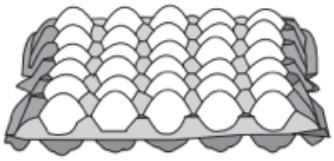
_____

2) A web offset printer can print 500 copies in one minute. How many copies can be produced in 120 minutes?



_____

3) A distributor supplies an average of 108 dozens of eggs in a locality per day. Find the average dozens of eggs supplied in 130 days?

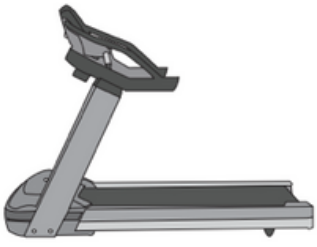


_____

4) A public library has 126 bookshelves. If each shelf holds 354 books each, how many books in all does the library accommodate?

_____

5) Julia uses the treadmill and sets a target to burn 550 calories a day. How many calories can she burn in 145 days if she strictly sticks to her target?



_____

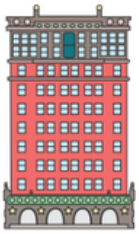
CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

3-Digit Multiplication

1) A toy manufacturing unit produces 926 toys in a day. How many toys will the unit manufacture in 182 days?

_____

2) There are 102 apartments in each block of a gated community. How many apartments will be found in a total of 101 blocks?

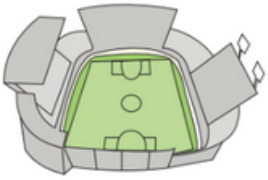


_____

3) A rain barrel at Sarah's house holds up to 125 gallons of water. How many gallons of water will 214 such rain barrels hold?

_____

4) A school football stadium has 109 rows in all. Each row can accommodate 650 people. What is the maximum seating capacity of the stadium?



_____

5) A supermarket places an order with a regional distributor for 178 packs of LEGO Friends play sets. If each set is priced at $119, what is the total worth of the transaction?

_____

CHAPTER 8 - MULTI-DIGIT MULTIPLICATION (WORD PROBLEMS)

3-Digit Multiplication

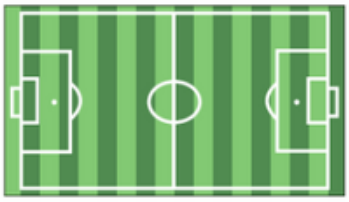
1) The sales report of a hotel shows a daily average profit of $399. What will be the average profit made by the hotel from January to June 2016? (2016 is a leap year)

_____

2) An Indie- rock band performs in NY city. 789 tickets were sold out. If each ticket was priced at $101, what was the total collection made?

_____

3) A rectangular football eld is 360 feet long. If its width measures 160 feet, calculate the area of the football eld?



_____

4) An adult male tiger on an average feeds 330 pounds of meat in a month. How many pounds of meat on an average will it consume in 132 days?

_____

5) A huge plant nursery in Seattle has shrubs arranged in 306 rows. Each row has 416 shrubs. How many shrubs does the nursery hold in all?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

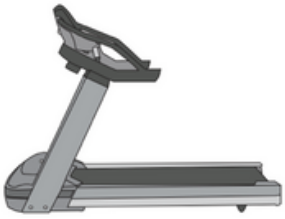
CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) Julia's wardrobe has a total of 36 pieces of clothing. If they are arranged equally in three shelves, how many pieces of clothing will be found in each shelf?

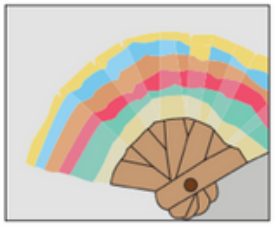
_____

2) A unisex gym has a total stock of 55 treadmills. If they are arranged in 5 rows, how many treadmills can be found in each row?



_____

3) Kathleen uses 45 Popsicle sticks to make paper fans for 5 of her cousins. How many Popsicle sticks did she use to create one such paper fan?



_____

4) Miranda baked a total of 78 scones for a tea party. If all the scones are arranged in 6 plates, how many scones does each plate hold?

_____

5) Delbert invests a total of $54 in the shares of XYZ company. If he has bought 6 shares from the company, how much is each share worth?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) John stacked up some firewood in his garage. If he arranged 81 logs of firewood in 9 bundles, how many logs does each bundle contain?

_____

2) Delilah buys 32 curtain panels for her home. If she plans to use 2 panels for each window, how many windows does Delilah plan to dress?

_____

3) An office has a 20 pocket magazine stand placed in the reception area. If each rack has 2 pockets, how many racks in all does the magazine stand have?

_____

4) Ursula took a trip to the Bahamas. She bought 27 trinkets and packed them in 3 separate boxes for her family. How many trinkets did each box contain ?

_____

5) The laundry section of a hotel received equal number of soiled sheets from linen chutes located on 5 floors. If it received 85 soiled sheets in all, how many soiled sheets were dropped from each floor?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

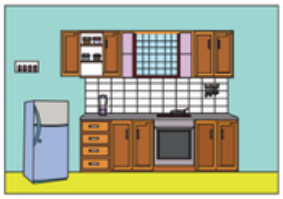
1) A recipe calls for 80 pounds of apples to prepare 8 gallons of hard cider. How many pounds of apples is required to make one gallon of hard cider?

_____

2) The HQ of a company places an order for 99 artificial Christmas trees to be distributed equally among 9 office locations. How many Christmas trees will each office location get to decorate?

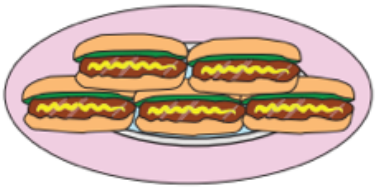
_____

3) Joanne has 4 glass kitchen cabinets that have 24 racks in all. How many racks does each glass cabinet contain?



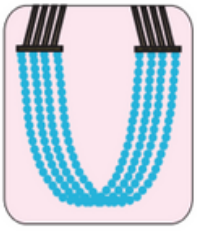
_____

4) Eric took part in hot dog eating contest. He ate 40 hot dogs in 8 minutes. How many hot dogs did he consume on an average in a minute?



_____

5) Rebecca used 84 acrylic beads to make a multistrand necklace for her daughter. If the necklace has four equal strands in all, how many beads does each strand hold?



_____

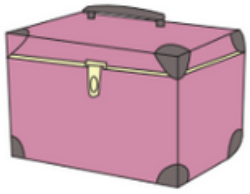
CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) A glass pitcher contains 65 ounces of juice which is poured equally into six glasses. How many ounces of juice does each glass contain? How many ounces of juice remains in the pitcher?

_____

2) Marion buys three similar vanity cases to gift her air-hostess colleagues. She hands over $100 to the cashier. How much did each vanity case cost, if she recieves $1 as change?

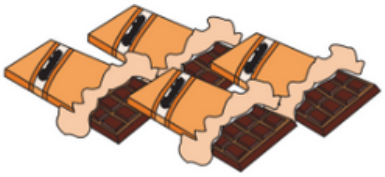


_____

3) Sandra, a handler in a toy manufacturing unit needs to pack 71 identical toys in equal numbers in 3 cartons. How many toys can be packed in each carton? How many toys remain unpacked after she has sorted them equally?

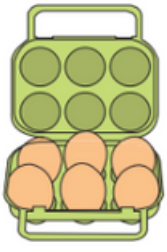
_____

4) Juliet has 38 candy bars which she splits equally among 3 of her cousins. How many candy bars does each of Juliet's cousins get? How many candy bars does Juliet have left with her?



_____

5) An egg tray can hold 6 eggs each. If 59 farm fresh eggs need to be packed, how many egg trays can hold 6 eggs each? How many eggs remain to be packed?



_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) Roger has 90 festoons which he wants to use in equal numbers to decorate four Christmas trees. How many festoons were put up on each Christmas tree? How many remain unused?

_____

2) A supermarket has 83 shopping baskets that need to be arranged equally in 5 stacks. How many baskets were placed in stacks of five? How many remain after they have been equally stacked up?

_____

3) Daniel orders 2 large pizzas that had a total of 16 slices. They were divided equally among 5 of his friends and Daniel ate the leftover slices. How many slices did each of Daniel's friends get to eat? How many slices were leftover for Daniel?

_____

4) Ryan buys 17 indoor plants. He wants to arrange them in equal numbers across the hall and the two bedrooms of his house. How many indoor plants were placed in each room? How many plants remain after he has distributed them equally across three rooms?

_____

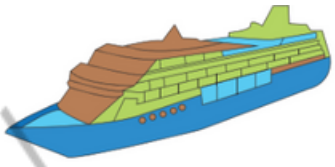
5) Kate made a total of 28 banana crepes for 5 of her nieces. How many crepes did each of them get to eat, if they were divided equally among them? How many crepes remained for Kate to eat?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

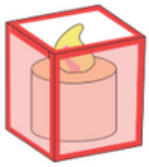
Division

1) A small cruise liner employs 77 crew members. If 3 members share a cabin each, how many cabins are required to accommodate the crew? How many more crew members remain to be lodged?



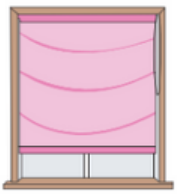
_____

2) Grace uses 66 glass-contained candles as centerpieces for a wedding reception. If they are to be spread equally over 9 long tables, how many centerpieces will each table be decorated with? How many centerpieces remain without being placed?



_____

3) Amarise bought 26 Roman blinds to be fitted equally across 12 windows of her house. How many blinds were used to dress each window? How many remain unused?



_____

4) Mrs. Fisher buys 60 copies of the "Anne of Green Gables" series to be distributed equally among 9 of her grandchildren. How many copies were distributed to each grandchild? How many copies remain with Mrs. Fisher?

_____

5) Ms. Stevens has 34 photo frames that need to be spread equally across the portico, foyer, and hall of her house. How many photo frames were putup in each of the three areas of the house? How many remain to be hung?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) The Hogwarts library has 15,852 reference books arranged in 6 racks equally. How many books does each rack hold?

_____

2) Jeremy withdrew $1,000 from his account. On his way home, he stopped at the local grocer's shop and exchanged the $1,000 bill for $5 bills. How many five dollar bills did Jeremy receive from the grocer?

_____

3) The E.T. parking facility at Universal Studios, Hollywood can accomodate up to 5,000 vehicles at a time. If the parking structure is 8 levels tall, how many vehicles can be parked on each level?

_____

4) Gina is employed by the Wilsons as a full-time babysitter. If she earns a total of $2,296 a month, how much will she earn in a week?

_____

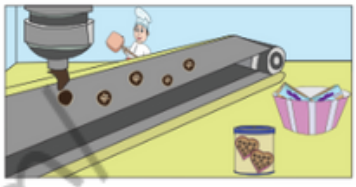
5) A ski resort is spread over 5,288 acres. The resort is split equally into 4 key areas. How many acres will each key area comprise of?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) Five making lines in a chocolate factory can churn out 10,000 tons of liquid chocolate in a year. How many tons of liquid chocolate can one making line in the chocolate factory produce in a year?

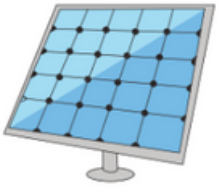


_____

2) The Disney's All-Star Movies Resort at Orlando, FL has a total of 1,920 rooms spread over four floors. How many rooms does each floor have?

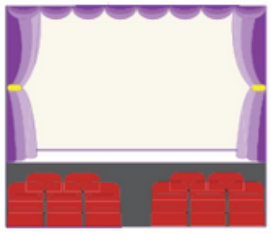
_____

3) Heather installed solar panels in her home. The total consumption of electricity in the month of June 2016 was 1,200 kWh. Calculate the average consumption of electricity per week for the month of June.



_____

4) The Big Bang Theater has a total seating capacity of 2,160 equally spread over 9 screens. How many seats can each screen accomodate?



_____

5) Mike, John and Ryan went on a three-day trip to Atlantic City. Mike won $93,381 at the slot machine in the airport. If Mike decides to split the money equally with his friends, what share will each person get?

_____

CHAPTER 9 - DIVISION & WORD PROBLEMS

Division

1) Nina and Betty rented an apartment near Downtown Los Angeles. If they paid $11,460 towards rent for the first quarter, how much are they charged for each month by the landlord?

_____

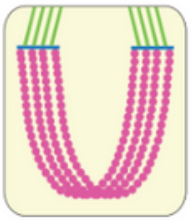
2) A ranch in Texas has a total of 1,266 horses. If they are sheltered equally in 6 barns, how many horses are housed in one barn?

_____

3) An orchard yields 1,463 apples in August 2016. They are packed into 7 boxes and delivered to a nearby supermarket. How many apples does each box contain?

_____

4) Anne uses 1,008 beads to make stranded necklaces for 9 of her friends. How many beads did Anne use for each necklace she made?



_____

5) A courier company delivers 1,456 packages in 8 days. If they delivered equal number of packages on all days, how many packages were delivered each day?

_____

WEEK 10 - MATERIAL FOR THIS WEEK WILL BE PROVIDED BY YOUR TUTOR IN THE CLASS