FRACTIONS OF AMOUNTS

Task 1

1) What is ½ of 20? 10

2) What is ⅓ of 27? 9

3) What is ¼ of 36? 9

4) What is ⅛ of 64? 8

5) What is $\frac{1}{10}$ of 50? 5

Task 2

6) What is ⅔ of 30?
1⁄3 of 30 = 10
2 × 10 = **20**

7) What is ¾ of 28?
1⁄4 of 28 = 7
3 × 7 = **21**

8) What is $\frac{5}{6}$ of 60?
1⁄6 of 60 = 10
5 × 10 = **50**

9) What is ⅖ of 40?
1⁄5 of 40 = 8
2 × 8 = **16**

10) What is $\frac{6}{7}$ of 63?
1⁄7 of 63 = 9
6 × 9 = **54**

11) What is $\frac{4}{5}$ of 25?
1⁄5 of 25 = 5
4 × 5 = **20**

12) What is $\frac{5}{8}$ of 64?
1⁄8 of 64 = 8
5 × 8 = **40**

13) What is $\frac{7}{10}$ of 70?
1⁄10 of 70 = 7
7 × 7 = **49**

14) What is $\frac{5}{6}$ of 72?
1⁄6 of 72 = 12
5 × 12 = **60**

15) What is $\frac{6}{10}$ of 90?
1⁄10 of 90 = 9
6 × 9 = **54**

Task 3

16) ⅓ of a number is 12. What is the number?
12 × 3 = **36**

17) ¾ of a number is 60. What is the number?
60 ÷ 3 = 20
4 × 20 = **80**

18) ⅖ of a number is 18. What is the number?
18 ÷ 2 = 9
5 × 9 = **45**

19) A packet of sweets contains 60 sweets. Alex eats ⅓ of them and Jamie eats ¼ of the remainder. How many sweets does Jamie eat?
Alex eats ⅓ of 60 = 20
Remainder = 40
Jamie eats ¼ of 40 = **10**

20) A class of 40 students went on a trip. ⅘ of them brought lunch from home. ½ of the remaining students bought lunch at the venue. How many students bought lunch at the venue?
⅘ of 40 = 32
Remaining = 8
½ of 8 = **4**

21) A shop sells 120 pens. ⅓ are red, ¼ are blue, and the rest are black. How many pens are black?

⅓ of 120 = 40
¼ of 120 = 30
Red + blue = 70
Black = 120 − 70 = **50**

22) A farmer sells ⅗ of his apples on Monday, and then ½ of the remaining on Tuesday. If he started with 150 apples, how many does he have left after Tuesday?

⅗ of 150 = 90
Remaining = 150 − 90 = 60
½ of 60 = 30 sold on Tuesday
Apples left = 60 − 30 = **30**

23) There are 1,260 people at a theme park.
438 of them are adults.
387 of them are teenagers.
The rest are children.
⅔ of the children are girls.
Work out how many boys are at the theme park.

Adults + Teenagers = 438 + 387 = 825
Children = 1,260 − 825 = 435
Girls = ⅔ of 435 = (435 ÷ 3) × 2 = 290
Boys = 435 − 290 = **145 boys**

24) The normal price of a cinema ticket is £18.00.
Leila uses a student discount card that gives her ¼ off the ticket price. Work out how much Leila pays for her ticket.

¼ of £18.00 = £18.00 ÷ 4 = £4.50
Leila pays = £18.00 − £4.50 = **£13.50**