FOUR OPERATIONS – DECIMAL NUMBERS

Task 1 – Work out the following calculations.

1) 0.3 + 0.4 = 0.7

2) 1.2 + 3.5 = 4.7

3) 2.47 + 1.2 = 3.67

4) 4.75 + 0.25 = 5

5) 3 + 2.67 = 5.67

6) 12.4 + 6.31 = 18.71

7) 3.06 + 1.008 = 4.068

8) 15.478 + 0.008 = 15.486

9) 25.5 + 14.75 = 40.25

10) 109.2 + 36.89 = 146.09

11) 203.48 + 91.6 = 295.08

12) 0.047 + 0.0059 = 0.0529

13) 344.678 + 123.456 = 468.134

14) 14.57 + 3.489 + 289.1 = 307.159

15) 543.5 + 17.89 + 12.431 = 573.821

Task 2 – Work out the following calculations.

16) 0.7 − 0.3 = 0.4

17) 4.6 − 1.2 = 3.4

18) 5.5 − 2.35 = 3.15

19) 15.37 − 3.6 = 11.77

20) 10.05 − 0.5 = 9.55

21) 8.2 − 3.78 = 4.42

22) 22.75 − 14.2 = 8.55

23) 100.6 − 25.45 = 75.15

24) 305.9 − 186.33 = 119.57

25) 1 − 0.375 = 0.625

26) 500.625 − 123.48 = 377.145

27) 3467.22 − 9.437 = 3457.783

28) 3 − 0.946 = 2.054

29) 1000 − 425.68 − 2.37 = 571.95

30) 24.56 − 3.39 − 2.4 = 18.77

Task 3 – Work out the following calculations.

31) 0.2 × 3 = 0.6

32) 0.5 × 0.5 = 0.25

33) 5 × 3.6 = 18

34) 1.67 × 0.2 = 0.334

35) 1.2 × 3.5 = 4.2

36) 2.1 × 4.2 = 8.82

37) 0.6 × 12 = 7.2

38) 5.25 × 3 = 15.75

39) 0.75 × 0.4 = 0.3

40) 7.2 × 6.8 = 48.96

41) 0.09 × 0.03 = 0.0027

42) 13.5 × 8.25 = 111.375

43) 345.67 × 3.89 = 1344.6563

44) 15.5 × 2.2 × 36.098 = 1230.9418

45) 436.89 × 12 × 0.08 = 419.4144

Task 4 – Work out the following calculations.

46) 1.2 ÷ 0.4 = 3

47) 15 ÷ 0.2 = 75

48) 6.3 ÷ 0.7 = 9

49) 4.8 ÷ 1.2 = 4

50) 0.6 ÷ 0.2 = 3

51) 10.5 ÷ 1.5 = 7

52) 24.6 ÷ 1.2 = 20.5

53) 8.64 ÷ 2 = 4.32

54) 42.6 ÷ 1.2 = 35.5

55) 15.75 ÷ 0.5 = 31.5

56) 3.75 ÷ 1.25 = 3

57) 0.09 ÷ 0.03 = 3

58) 251.7 ÷ 3 = 83.9

59) 28.56 ÷ 4.2 = 6.8

60) 12.5 ÷ 0.4 = 31.25

Challenge

61) Mia places 3.5 kg of apples and 2.75 kg of bananas in a box. If a box safely holds 7.15 kg, can she add two oranges that weigh 0.41 kg each?

7.15 – (3.5 + 2.75) = 0.9 kg

0.9 – 0.41 – 0.41 = 0.08 kg

Yes

62) A rope is 14.25 metres long. Sam cuts four pieces off, that are 3.25 metres each. How much rope remains?

3.25 × 4 = 13 m

14.25 – 13 = 1.25 m

1.25 metres

63) A notebook costs £2.45. John would like to buy three notebooks and a pen that costs £1.15. If he pays with a £10 note, how much change does he receive?

2.45 × 3 = 7.35

7.35 + 1.15 = 8.50

10 – 8.50 = 1.50

£1.50 change

64) A water tank holds 37.5 litres. If 4.8 litres are used each day, how many days until the tank is empty?

37.5 ÷ 4.8 = 7.8125

8 days

65) Tanya is having 15 guests over for dinner. A drink recipe calls for 0.25 litres of juice per glass. If she has 7.25 litres of juice, is there enough for each guest to have two glasses of juice?

7.25 ÷ 0.25 = 28

She needs 30 litres for each guest to have two. No, she does not have enough.