Multiplying and Dividing by 10, 100 and 1000

Applying your knowledge to solve problems

Answer these word problems.

There are some multi-step problems so you will need to show some workings out!

1. Jack goes to the shops and buys 6 apples, 12 packets of crisps and 25 bottles of water each day. How many of each does he buy over 10 days?

2. If a box can fit 75 tennis balls in, how many balls would there be in 100 boxes?

3. Ned earns £1.53 for each cake he sells at a stall. If he sells 1000 cakes, how much money would he make?

4. Gerry has 4370 penny sweets. He divides them between 10 party bags, How many would there be in each bag?

5. If a bottle holds 125ml of liquid, how much would 100 bottles hold?

6. Mrs Davis buys a new webcam for 10 classes, Each camera costs £64.95. How much would she spend altogether?

7. The sales from a book fair came to £1,432. Mrs Ferrier divided the money between 10 classes to buy more books. How much money would each class receive?

8. A garden fence panel measures 1.76m. Mr Stanley has 10 fence panels at the end of his garden. What would the 10 fence panels measure altogether?

9. Sarah has a length of string that measures 564cm. She cuts it into 100 pieces, What would each piece measure?

10. Each month Jason gets £5 pocket money. He spends 75p each week on a magazine, He then saves the rest. How much would he have saved after 10 weeks?

11. Mr Masingiri orders 620 new bean bags, 130 new PE cones and 40 new hoops. He divides them between 10 classes. How many of each item would each class have?

12. A small box of Cadbury's Heroes has 23 chocolates in it and an extra-large tub has 142 chocolates in it. Josie buys 10 boxes and 10 extra-large tubs. How many chocolates would she have altogether?

ANSWERS

13. Jack goes to the shops and buys 6 apples, 12 packets of crisps and 25 bottles of water each day. How many of each does he buy over 10 days? 60 apples, 120 packs of crisps, 250 bottles of water.

14. If a box can fit 75 tennis balls in, how many balls would there be in 100 boxes? 7,500 tennis balls.

15. Ned earns £1.53 for each cake he sells at a stall. If he sells 1000 cakes, how much money would he make? £1530.00

16. Gerry has 4370 penny sweets. He divides them between 10 party bags, How many would there be in each bag? 437 sweets in each bag.

17. If a bottle holds 125ml of liquid, how much would 100 bottles hold? 12,500 ml.

18. Mrs Davis buys a new webcam for 10 classes, Each camera costs £64.95. How much would she spend altogether? £649.50

19. The sales from a book fair came to £1,432. Mrs Ferrier divided the money between 10 classes to buy more books. How much money would each class receive? £143.20

20. A garden fence panel measures 1.76m. Mr Stanley has 10 fence panels at the end of his garden. What would the 10 fence panels measure altogether? 17.6m

21. Sarah has a length of string that measures 564cm. She cuts it into 100 pieces, What would each piece measure? 5.64cm

22. Each month Jason gets £5 pocket money. He spends 75p each week on a magazine, He then saves the rest. How much would he have saved after 10 weeks? £5.00 – 75p = £4.25 £4.25 x 10 = £42.50 Jason would save £42.50 after 10 weeks.

23. Mr Masingiri orders 620 new bean bags, 130 new PE cones and 40 new hoops. He divides them between 10 classes. How many of each item would each class have? 62 bean bags, 13 cones, 4 hoops per class.

24. A small box of Cadbury's Heroes has 23 chocolates in it and an extra-large tub has 142 chocolates in it. Josie buys 10 boxes and 10 extra-large tubs. How many chocolates would she have altogether? 23 x 10 = 230 142 x 10 = 1420 1420 + 230 = 1650. There would be 1650 chocolates altogether.