

Friday 22.01.2021

Word problems using multiplication

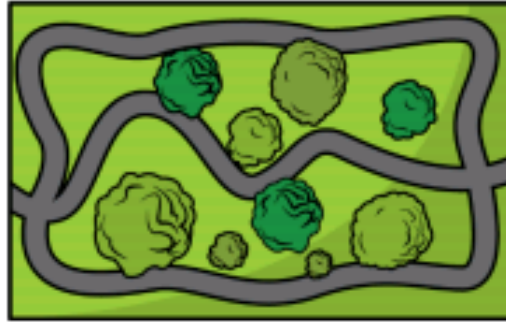
1. Read through the whole question
2. Check you understand what it is asking you to do
3. Answer the question, laying it out neatly and showing your working out
4. Check you are correct

Question 1

- a) There are 12 eggs in each box. James buys 14 boxes. How many eggs does James have?
- b) In each bunch of flowers, there are 24 roses. Ellie buys 62 bunches for a wedding. How many roses are there?
- c) In a box of chocolates, there are 13 caramel and 18 toffee. 27 boxes have been bought.
- a) How many caramel chocolates are there?
 - b) How many toffee chocolates are there?
 - c) How many chocolates are there altogether?

Question 2

A playground is 128 yards by 73 yards.



Calculate the area of the playground.

Question 3

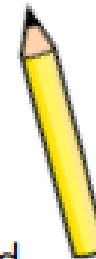
Pencils come in boxes of 64

A school bought 270 boxes.

Rulers come in packs of 46

A school bought 720 packs.

How many more rulers were ordered than pencils?



Question 4

A half-board holiday costs £515 per adult and £350 per child.

A family of 2 adults and 3 children go on holiday.

- **How much did the holiday cost?**

They go for 7 days.

Each day, they spend £12 on ice lollies and £90 on dinner.

- **How much money did they spend on food for the week?**

How much did the holiday cost in total?

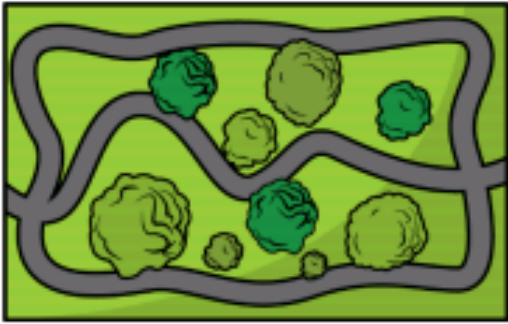
Question 1

ANSWERS

- a) There are 12 eggs in each box. James buys 14 boxes. How many eggs does James have? $12 \times 14 = 168$
- b) In each bunch of flowers, there are 24 roses. Ellie buys 62 bunches for a wedding. How many roses are there?
 $24 \times 62 = 1488$
- c) In a box of chocolates, there are 13 caramel and 18 toffee. 27 boxes have been bought.
- a) How many caramel chocolates are there? $13 \times 27 = 351$
- b) How many toffee chocolates are there? $18 \times 27 = 486$
- c) How many chocolates are there altogether?
 $351 + 486 = 837$

Question 2

A playground is 128 yards by 73 yards.



Calculate the area of the playground.

ANSWERS

$$128 \times 73 = 9344 \text{ y}^2$$

Question 3

Pencils come in boxes of 64

A school bought 270 boxes.

Rulers come in packs of 46

A school bought 720 packs.

How many more rulers were ordered than pencils?



$$270 \times 64 = 17,280$$

$$720 \times 46 = 33,120$$

$$33,120 - 17,280 = 15,840$$

ANSWERS

Question 4

A half-board holiday costs £515 per adult and £350 per child.

A family of 2 adults and 3 children go on holiday.

- How much did the holiday cost?

$$515 \times 2 = 1030 \quad 350 \times 3 = 1050 \quad 1030 + 1050 = \text{£}2080$$

They go for 7 days.

Each day, they spend £12 on ice lollies and £90 on dinner.

- How much money did they spend on food for the week?

$$7 \times 12 = 84 \quad 90 \times 7 = 630 \quad 630 + 84 = \text{£}714$$

Or

$$12 + 90 = 102 \quad 102 \times 7 = \text{£}714$$

How much did the holiday cost in total?

$$\text{£}2080 + \text{£}714 = \text{£}2794$$