Power Up

Friday- maths

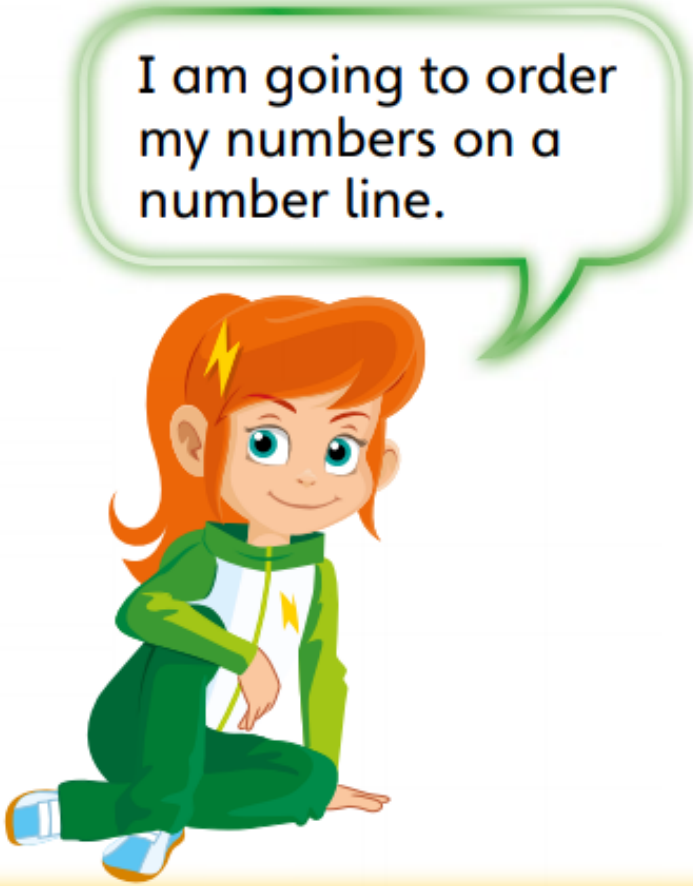
Work out the digit hidden in each number using the description given.

6 ✱ 34 A single digit that is a multiple of both 3 and 2.

37 ✱ 2 Rounds the number to 3,800 and is a multiple of 4.

402 ✱ The digit is a prime number larger than 5.

✱ 959 When rounded to the nearest 1,000, you get 5,000.



Answers

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✱ 959 — When rounded to the nearest 1,000, you get 5,000.

3782 **4027** **4959** **6634**

LO: To solve correspondence word problem

If we bought two packets of balls, how many rugby balls would we have?

One packet of balls includes:
2 Footballs
3 Rugby Balls

What is this asking us to do?

How would we go about solving this?

How can we represent this using multiplication?

LO: To solve correspondence word problems

If we bought two packets of balls, how many rugby balls would we have?

One packet of balls includes:
2 Footballs
3 Rugby Balls

Answer

6 rugby balls

You can see there are 3 rugby balls in one pack so if you multiply this by 2 you will get 6 rugby balls!

3 x 2 = 6

You can see that one pack has 2 footballs in it, so what do you multiply 2 by to get 10?

2 x 5 = 10. To find the correct number of rugby balls, you need to also multiply the number of rugby balls in one pack by 5.

3 x 5 =15

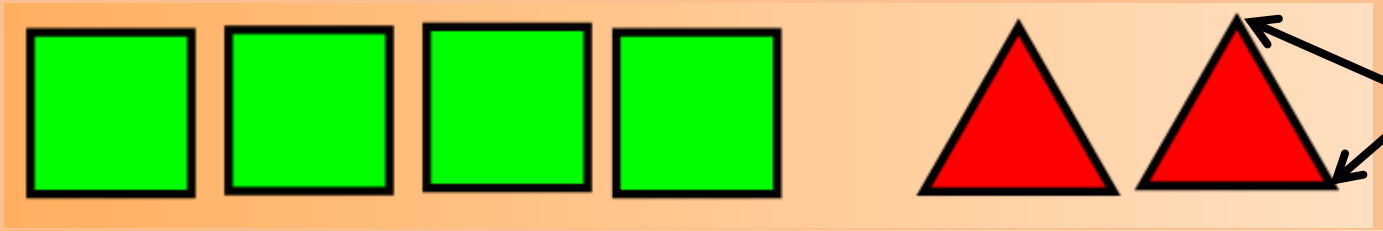
Mrs Harrison bought some new balls. When all the balls were opened, there were 10 footballs. How many rugby balls were there?

One packet of balls includes:
2 Footballs
3 Rugby Balls

Answer

15 rugby balls

LO: To solve correspondence word problems



To represent the total number of vertices using multiplication, we could write this.

$$4 \times 4 + 3 \times 2$$

$$16 + 6 = 22$$

Vertices are the plural of a vertex. They are corners where the edges meet.

LO: To solve correspondence word problems

- **Success Criteria:**
- Read the question
- Check the relationship between the objects
- Decide what the multiplier is
- Complete the calculation
- Check your answer (use pictures if needed)

LO: To solve correspondence word problems

Fluency – work these out in your books.

1. Johnny says he can represent the total number of vertices of his shapes like this:

$4 \times 7 + 3 \times 3 = 37$

Find the total number of vertices for these sets of shapes in the same way

2. Use circles, squares and pentagons to represent the following total of vertices:

21 22 23

3. Using the 6 and 4 times tables how many different ways can you make a total of 40?
Represent this with manipulatives.

LO: To solve correspondence word problems

Fluency – **Mark your Answers**

1 Johnny says he can represent the total number of vertices of his shapes like this:

$4 \times 7 + 3 \times 3 = 37$

Find the total number of vertices for these sets of shapes in the same way

4 x 4 + 2 x 5 = 26

Circles don't have any vertices (corners)!

5 x 8 +3 x 0 = 40

3 x 0 + 4 x 4 + 4 x 3 = 28

2 Use circles, squares and pentagons to represent the following total of vertices:

21 22 23

21

22

23

3 Using the 6 and 4 times tables how many different ways can you make a total of 40?

LO: To solve correspondence word problems

Reasoning

Using the vertices of squares and triangles, how many ways can you balance the equation?

Problem Solving

Spiders have 8 legs and ants have 6 legs.

There are 288 legs in a vegetable patch.

How many spiders and ants could there be?

LO: To solve correspondence word problems

Mark your Answers

Reasoning

There are many possible combinations

Problem Solving

Possible answers:

24 spiders

16 ants

9 spiders

36 ants