

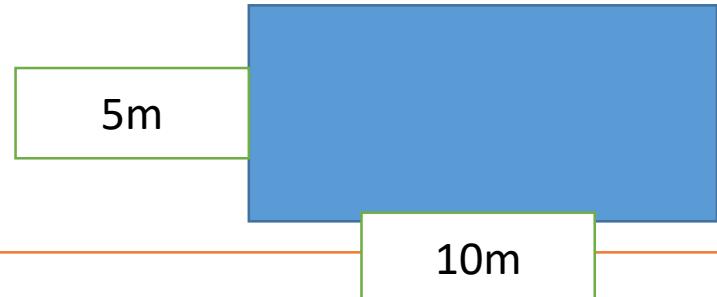
Starter – Can you solve these problems?

Which of these numbers is NOT a multiple of 9
36, 24, 72, 18, 108, 81, 45, 63

Write these fractions as decimals:

$$\frac{78}{100} = \quad \frac{29}{100} = \quad \frac{6}{10} = \quad \frac{1}{2} =$$

What is the perimeter?
What is the area?



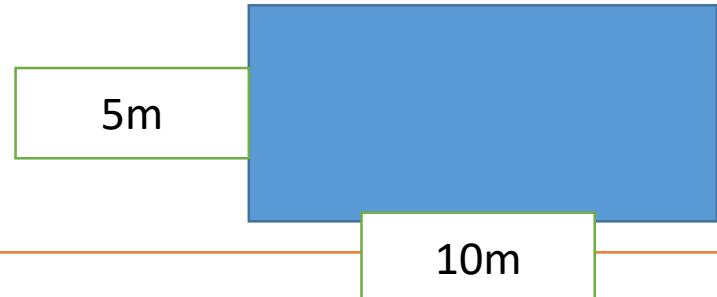
Answer—How many did you get right?

Which of these numbers is NOT a multiple of 9
36, **24**, 72, 18, 108, 81, 45, 63

Write these fractions as decimals:

$$\frac{78}{100} = 0.78 \quad \frac{29}{100} = 0.29 \quad \frac{6}{10} = 0.6 \quad \frac{1}{2} = 0.5$$

What is the perimeter? **30m**
What is the area? **50m²**



Learning Question:

How can I solve word problems involving subtraction and addition?

Success Criteria:

- Read questions carefully to make sure all steps are calculated.
- Solve single step problems
- Solve multi-step problems
- Show your working out.
- Use the inverse operation to double check your answer
- Use the most efficient strategy for solving the word problem.

Vocabulary

- RUCSAC
- Inverse
- Double check
- Key information
- Single Step
- Multi-step

What are the steps to solving word problems?

- 1) Read the question. Decide what are you being asked?
- 2) What are the key numbers and words?
- 3) What operation do you need to do?
- 4) Write a number sentence.
- 5) Calculate the answer.
- 6) Write the answer as a sentence.

What are some of the words we might find in an addition problem?

add

sum

total

more than
increase

altogether

plus

What are some of the words we might find in a subtraction problem?

subtract

take away

minus

decrease

change how many left?

difference between

how much more?

A pizza order costs £43.43. The customer pays with a £50. How much change do they get?

What operation is needed?

wor~~s~~:

£50

£43.43

?

$$\text{£50} - \text{£43.43} = \text{£6.57}$$

2443 children go to the park. **1432** children play football.
How many children are NOT playing football?

What operation is needed?

wor~~us~~:

2443

1432

?

$$2443 - 1432 = 1011$$

5433 books are delivered to the library on Friday. **2342** books are delivered the next day. How many books are delivered altogether?

What operation is needed?

wors:

?

5433

2342

$$5433 - 2342 = 7775$$

453 children buy a one jumper each. The shop had 1234 jumpers at the start of the day. How many jumpers are left on the shop?

What operation is needed?

wor~~us~~:

1234

453

?

$$1234 - 453 = 781$$

A farmer grows 3432 apples and 5394 pears. How much fruit does he have to pick come harvest time?

What operation is needed?

worls:

?

3432

5394

$$5394 - 3432 = 1962$$

6757 pieces of Lego make up Hogwarts castle . **5465** pieces have been already been used to build the castle. How many pieces are left to go before the castle is completed?

What operation is needed?

wous:

6757

5465

?

$$6757 - 5465 = 1292$$

Try these word problems

1. A library has 2043 selves. 1532 selves are full od books. How many selves are empty?
2. There are 9632 apples in the supermarket. The supermarket sells 9382 of them. How many are left in the supermarket ?
3. Oliver spends £4582 on a new laptop. Mia spends £3892. What is the difference between how much Oliver paid and how much Mia paid?
4. 3482 people go the cinema on Monday. 4322 went on Saturday and 4524 went on Sunday. How many more people went at the weekend then during the week?

Some word problems have more than one step.

A bag of potatoes weighs 32kg and a bag of onions weighs 25kg. The farmer eats 15kg of potatoes. How much do the bags weigh altogether?

$$32\text{kg} + 25 \text{ kg} = 57\text{kg}$$

$$57\text{kg} - 15\text{kg} = 42\text{kg}$$

What operations do you need to calculate this question?

The bus is taking 48 children home. At the first stop, 14 children get off. At the second stop 21 children get off. How many children are left on the bus?

Your Task

- Worksheets on the website