

# Monday 23rd March

## Maths Intervention

1. A car is reduced by £800. The original price is £3020. What is the new price?	
2. What digit is in the ten thousands place? 3,687,120	
3. Jack buys a magazine (£1.99) and some stickers (£0.97). How much change from £5 does he get?	
4. Susie has 3547 points. She loses 570. How many points does she have left?	
5. Write all the factors of 15.	
6. How many days are there in January, May and October altogether?	
7. 8km is approximately 5 miles. How many miles is the same as 560km?	
8. Write the correct in equality: 0.5 _____ $\frac{1}{3}$	
9. Susie makes jewellery. Each bracelet needs 63 beads. If she makes 18 bracelets, how many beads does she need?	
10. Jack's book has 300 pages. He's already read $\frac{1}{5}$ of them. How many pages does he have left?	

$$a_0 = 1 [a_0]$$

# 10 min SATS Buster

$$\arcsin(z)$$

$$x_{n+1} =$$

# Times Tables

$$4 \times 9 =$$

$$40 \times 9 =$$

$$4 \times 90 =$$

$$40 \times 90 =$$

$$0.4 \times 9 =$$

$$0.4 \times 0.9 =$$

TBAT: find the value of missing letters and use letters in expressions.

3 in 3

1.  $1 \frac{3}{5} \times 400 =$

3.

2.  $8 \times 4 \div 2 + 3 =$

Dev says,

I had £10  
I gave some money away.



Which expression shows how much money Dev has left?

$a$  is the amount of money, in pounds, that Dev gave away.

Tick **one**.

$10 + a$

$10 \div a$

$a - 10$

$10 - a$

$a \times 10$

**Challenge -**

23.03.26

TBAT: find the value of missing letters and use letters in expressions

$k$  stands for a number.

Complete the number sentences below.

One has been done for you.

5 more than  $k$  is

$$\underline{k + 5}$$



2 less than  $k$  is

\_\_\_\_\_

3 more than twice  $k$  is

\_\_\_\_\_

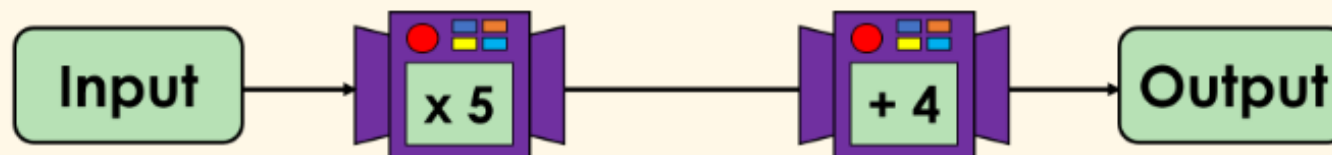
6 more than half of  $k$  is

\_\_\_\_\_

23.03.26

TBAT: find the value of missing letters and use letters in expressions

What would the expression be for the function machine below, if the input was represented by ' $f$ '?



When  $x = 8$ , what is the value of  $5x$ ?

Tick (✓) the correct box below.



5

13

40

58

None of these

23.03.26

TBAT: find the value of missing letters and use letters in expressions.

Partner discussion: Complete the statements below.

When  $x$  is  $\dots 8 \dots$ ,  $4x$  is  $\dots$

When  $x$  is  $\dots$ ,  $4x$  is  $\dots 48 \dots$

When  $x$  is  $\dots 8 \dots$ ,  $\dots$  is  $\dots 48 \dots$

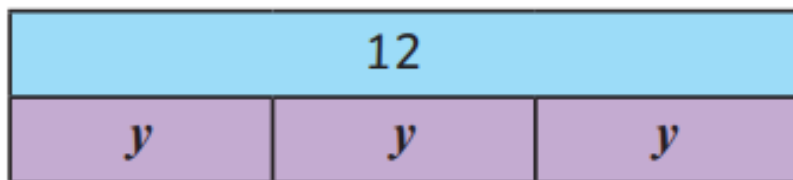
When  $x = 8$ , what is the value of  $x^2$ ?

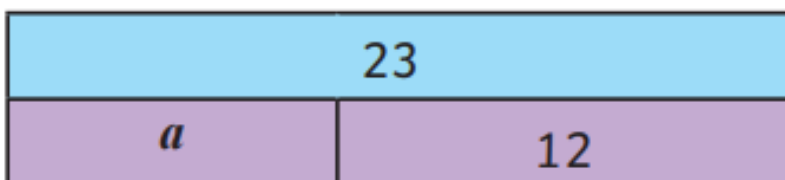
Tick (✓) the correct box below.

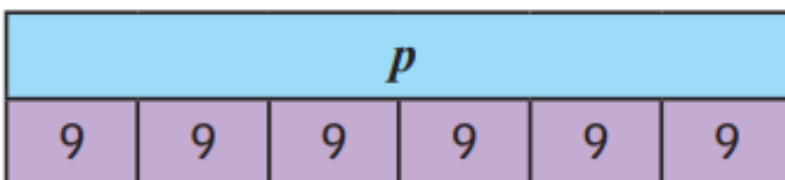
 8 10 16 64 None of these

TBAT: find the value of missing letters and use letters in expressions.

Write an equation to represent each bar model. Then, calculate the value of each algebraic letter.








**Challenge** – What is the value of

$a$ ?

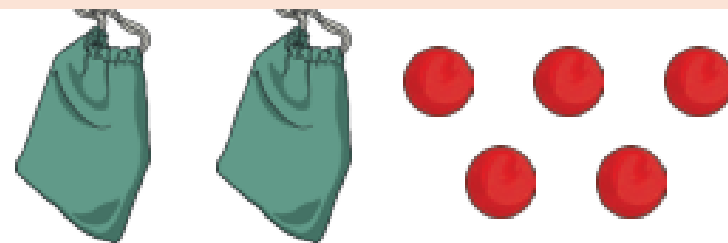
$$6a + 6 = 36$$

TBAT: find the value of missing letters and use letters in expressions.

Partner discussion:

There are an equal number of marbles in each bag.  
There are 18 marbles in total.

If the number of marbles in each bag is represented by  $x$ , which equation shows this?



$$x = 18 + 5$$

$$2x + 5 = 18$$

$$18 + 5 = 2x$$

23.03.26

TBAT: find the value of missing letters and use letters in expressions

1.  $3n + 7 = 34$
2.  $17 - 4t = 9$
3.  $29 = 55 + 6 - 8w$
4.  $108 + 12 - 20y - 4 = 16$

Write an expression for these calculations.

1.  $R \times 2 + 7 =$  \_\_\_\_\_
2.  $24 - 4 \times f =$  \_\_\_\_\_
3.  $Y \times 2 = t \times 5 =$  \_\_\_\_\_

### Reasoning

Write an equation to represent each child's number riddle. Then, solve the equations to find the value of  $x$ .



Jia

I think of a number and add 12. The answer is 30.



Abi

I think of a number and multiply it by 4. The answer is 24.

### Challenge

Emily is solving the equation  $b + 7 = 42$ .

I think  $b = 49$  because  $42 + 7 = 49$ .



Emily

Is Emily's statement correct? Explain your answer.

### Mastery Challenge

What could be the answer to this equation? Find all possible equations.



Jia

The value of  $x$  is a two-digit square number.

$$x - 12.5 = \square$$

### Mastery with Greater Depth

Which of the following statements do you agree with? Explain your decisions.

- There is a whole number that satisfies the symbol sentence  $5 \times \square - 3 = 42$
- There is a whole number that satisfies the symbol sentence  $5 + \square \times 3 = 42$
- There is a whole number that solves the equation  $10 - x = 4x$
- There is a whole number that solves the equation  $20 \div x = x$

# Monday 23rd March

## TBAT: retrieve information from the text.

3 in 3

Jamal checked his watch again, then quickened his pace. His train was due in four minutes and he reckoned he was about four minutes' walk to the station. Anyway, these days they were always late – that's what his dad kept saying when he was grumbling about his day. Still, he absolutely had to catch this one, otherwise he would be in big trouble. Bee-baaarb! The unmistakable sound of the train's horn made him jump. It was early! He broke into a run, but almost immediately heard a slap on the pavement behind him. His wallet! No money – just his ticket. But if he stopped, he'd surely miss the train.

- 1. The text starts: '*Jamal checked his watch again, then quickened his pace.*' Use your own words to describe what the writer meant by 'quickened his pace'.**
- 2. Why was it so important for Jamal to catch this train?**
- 3. Predict what might happen if Jamal decided not to pick up his wallet.**

Monday 23rd March

TBAT: retrieve information from the text.

Words we will find in the text

**Proposed** - suggested or planned but not yet decided.

**Demolition** - The act of knocking down or destroying a building.

**Heritage** - The history, traditions or buildings that belong to a community and are valued.

**Alternatives** - Different options or choices you can use instead of the main idea.



## Summarise

1. What is the main message of the letter?
2. Number the following sentences from 1-4 to show the order the arguments appear in the text.

Olive suggests alternative solutions and explains why demolishing the lighthouse would be wasteful during wartime.	
Olive introduces herself and explains why she feels strongly about the lighthouse being demolished.	
The lighthouse is a historic home that has been cared for by the same family for generations	
The stretch of coastline is extremely dangerous and that removing the lighthouse could lead to more shipwrecks.	

3. Using information from the whole text, write whether each statement is true or false.

Olive is a long-standing member of the community.	
Olive only cares about being evicted from the lighthouse because she will be homeless.	
Ships rely on the lighthouse for navigation.	

## Words in Context

1. Find and copy one word from the first paragraph that means the same as *forced* or *obliged*.
2. In the third paragraph, the writer uses the word “*sensible*”. What does *sensible* mean in this context?  
**selfish   reasonable   frightened   historical**

Monday 23rd March

TBAT: retrieve information from the text.

Retrieval

1. Why is Olive living in Budmouth Point?
2. How many boats have been wrecked that year along the coastline?
3. What family has cared for the lighthouse for generations?
4. What does Olive suggest the Ministry of Defence should do instead of demolishing the lighthouse?
5. What does Olive recommend at the end of her letter to allow the community to share their views?

**Challenge** - What does Olive's letter suggest about how she feels towards the village of Budmouth Point, even though she has only lived there for a short time?

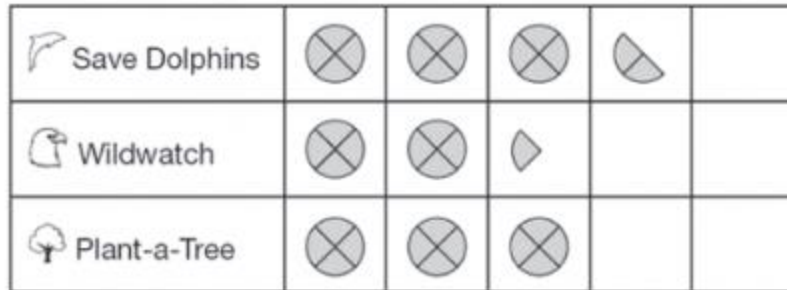


# Carroll diagrams and Pictograms


Park School collects money for three charities.

This pictogram shows how much they have collected.

 stands for £100




How much more have they collected for Save Dolphins than Plant-a-Tree?

 £

5a  
1 mark


The target for Wildwatch is £500

How much **more** money do they need to collect for Wildwatch?

 £

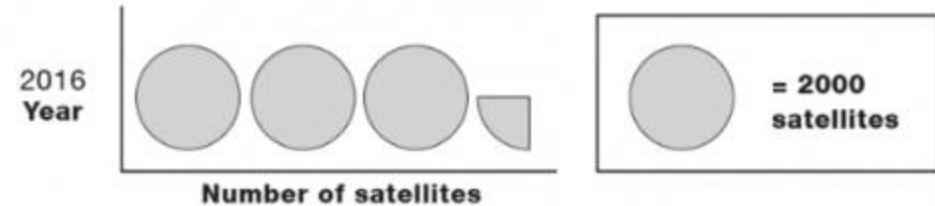
5b  
1 mark

How much money have they collected altogether, rounded to the nearest hundred pounds?

 £

5c  
1 mark

The pictogram shows the number of satellites above Mars in 2016.



How many **satellites** were above Mars in 2016?

1 mark

Here is a Carroll diagram for sorting numbers.

Write each number in its correct place on the diagram.

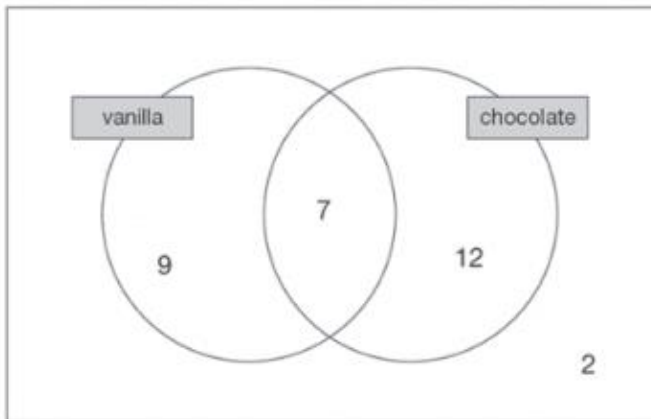
45 4007 3912 324 8924 322 1235 423

	even	not even
a 4-digit number		
not a 4-digit number		

# Venn diagrams

Joe asked the children in his class which flavours of ice-cream they like.

He recorded the results in a Venn diagram.



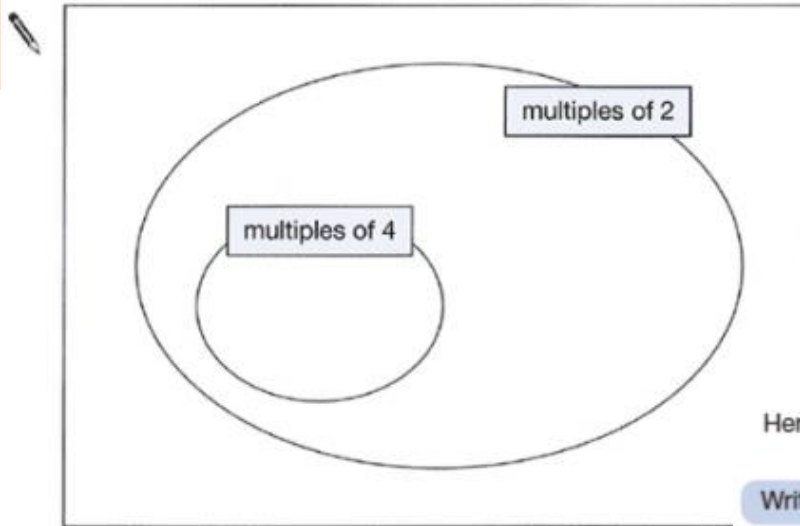
How many children like chocolate ice-cream?

How many children **do not** like vanilla ice-cream?

Here is a Venn diagram for sorting numbers.

Write each number in its correct place on the diagram.

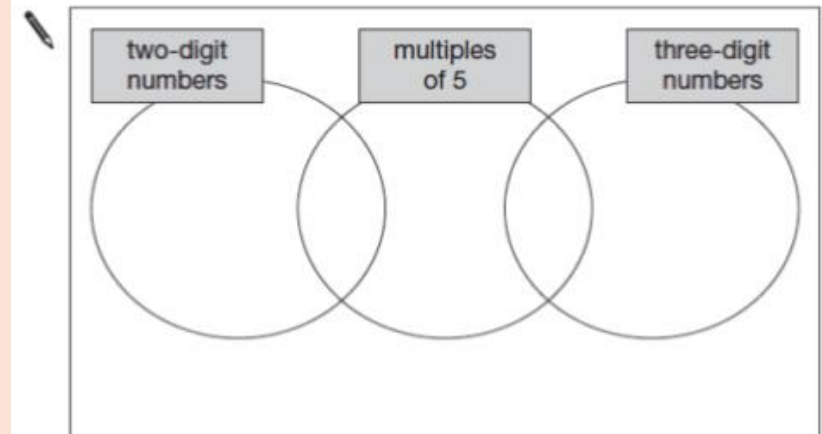
10 11 12 13



Here is a diagram for sorting numbers.

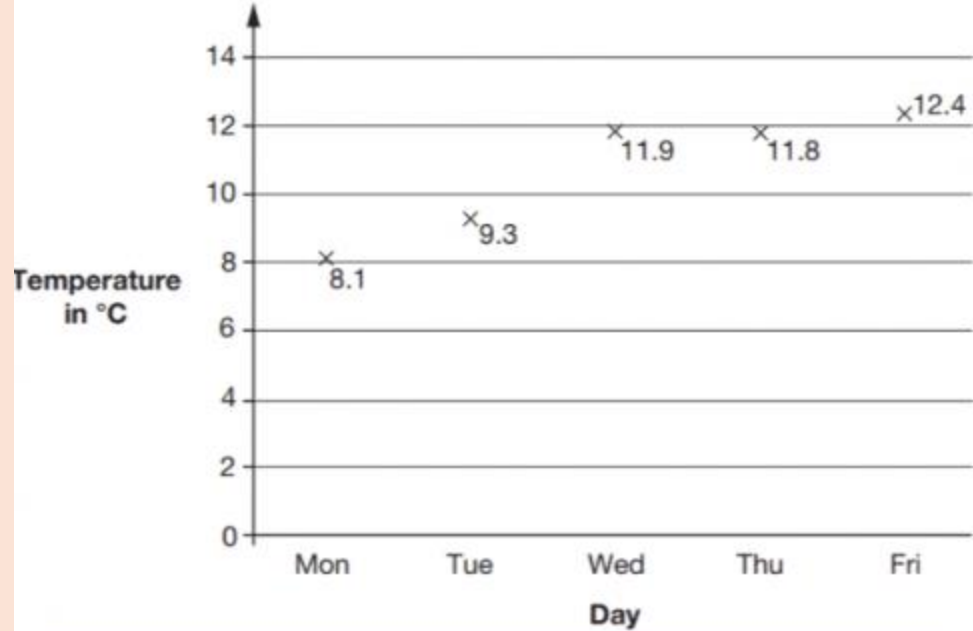
Write each number in its correct place on the diagram.

2 20 201 2000



# Mean, Median, Mode and Range

This graph shows the maximum temperature for five days.



For what fraction of the five days was the maximum temperature below 10°C?

What was the **mean** maximum temperature, to one decimal place?

 °C

What number is **halfway** between 2.7 and 4.3?

Chen is thinking of four numbers.

He says,

**'The range is 8 and the mode is 3'**

What are his **four numbers**?

*(Note: Anyone answer will be correct as there are multiple answers possible)*

A student appeared for exams of years 6.



He scored 84 marks in Maths, 73 Marks in History, 64 Marks in Geography  
72 Marks in English and 92 in Science.

Find the **average score** of his marks.

# Monday 23rd March

## GPS Intervention **PM**

CGP Books

10minute test

Book 2

