

# Home Learning: Mathematics

Summer 1: Week 1

Monday 1<sup>st</sup> June – Friday 5<sup>th</sup> June 2020



Another one to rack your  
brains with!

Can you work out the value of  
'?'

(hint: well, there are no hints  
– you know how to solve these  
type of questions).

The answer (and working out)  
will be revealed next week.

Good luck.

$$\square \times \square \times \square = 8$$

$$\square \times \triangle \times \triangle \times \triangle = 54$$

$$\square \times \triangle \times \bigcirc \times \bigcirc = 6$$

$$\bigcirc + \square \times \triangle = ?$$



Monday 1<sup>st</sup> June  
2020

Subject of Focus: Problem-Solving

**1** Sam has £50

He buys this cap and jumper with his money.

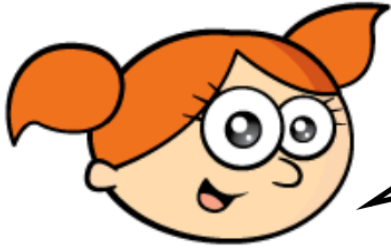


**How much money does he have left?**

Remember to show your working out.

**2** One half of a number is 6  
What is double the number?

3



I have 42  
stickers

I have 60  
stickers



Mo gives Alex some stickers.  
They now have the same number  
of stickers.

How many stickers does Mo give  
Alex?

I

Sam has £29

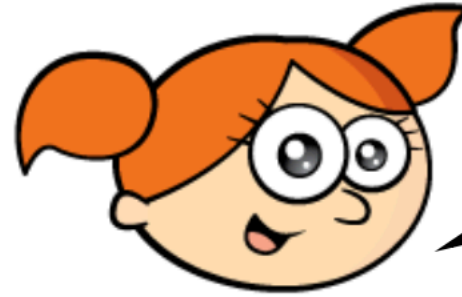
He gets £28 more for his birthday.  
He buys this cap and jumper with his  
money.



How much money does he have left?

**2** One fifth of a number is 12  
What is a half of the number?

**3**



**I have 207  
stickers**

**I have 150  
stickers**



**Mo gives Alex some stickers.  
Alex now has twice as many as Mo.  
How many stickers did Mo give  
Alex?**



Tuesday 2<sup>nd</sup> June  
2020

Subject of Focus: Problem-Solving

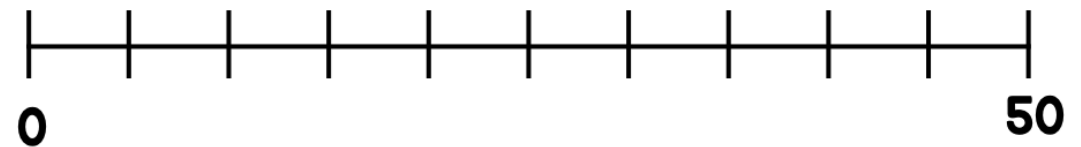
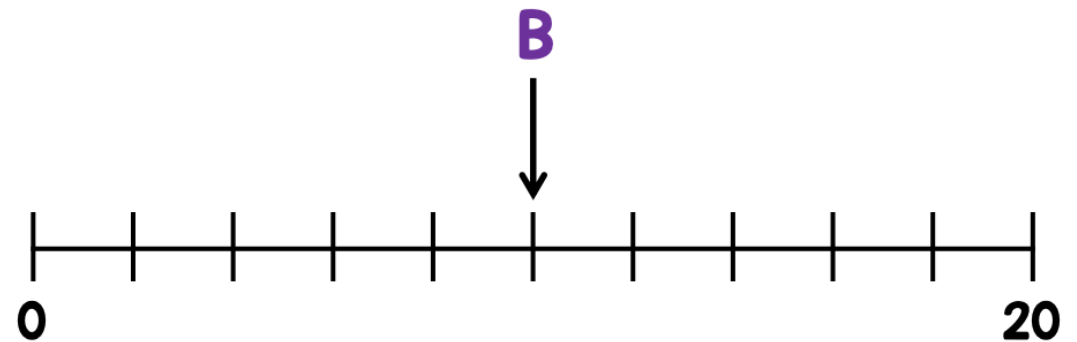
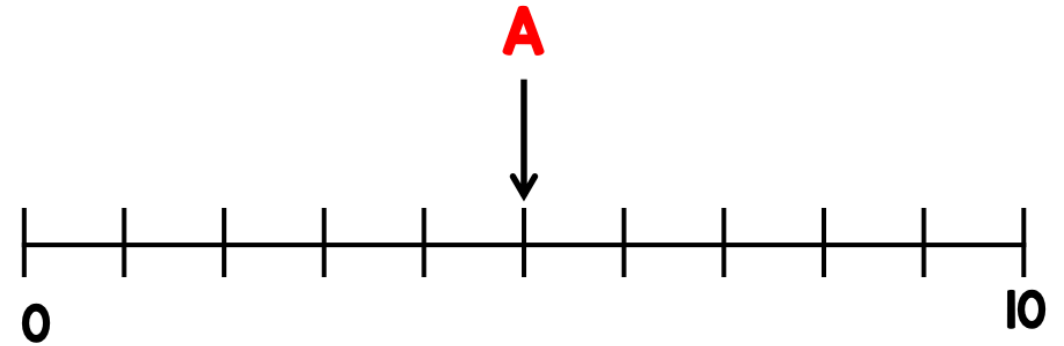


Remember to show  
your working and  
explain your reasoning.

I

Given that  $A + B = C$

Draw an arrow pointing to C

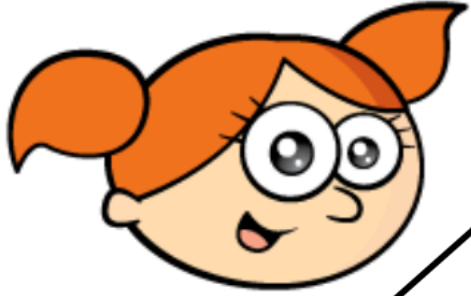




Remember to show  
your working out and  
explain your reasoning.

- 2** Amir has a box of 50 counters.  
12 of the counters are red.  
17 of the counters are blue.  
The rest of the counters are yellow.  
Which coloured counter are there  
more of?

3



When I share my stickers between me and my 4 friends, we all get 7 stickers.

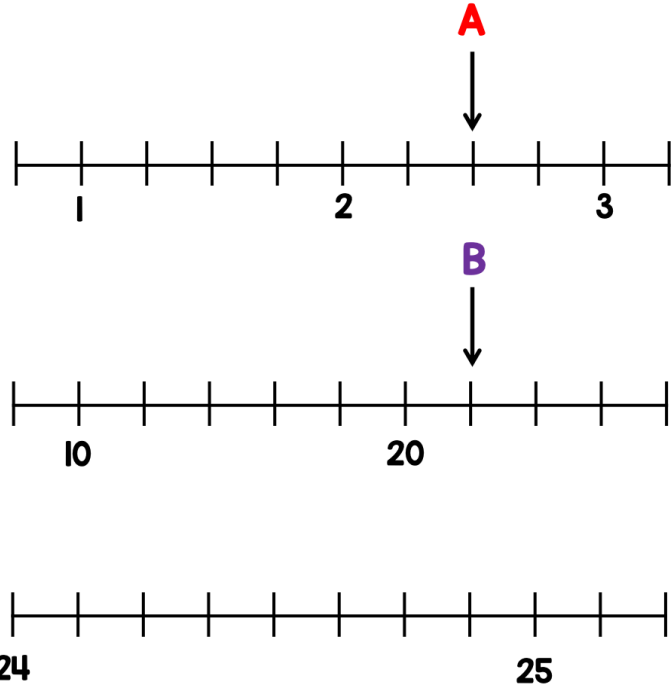
**How many stickers did Lisa share**

Remember to show your working out and explain your reasoning.

**Elijah says he divided 32 by a number and got 64  
Is this possible?**

1 Given that  $A + B = C$

Draw an arrow pointing to C



2 George has a box of counters.

- For every 2 red counters there are 5 blue ones.
- George removes 36 blue counters from the box.
- There are now the same amount of red and blue counters.

How many red counters were in the box at the start?



Wednesday 3<sup>rd</sup> June  
2020

Subject of Focus: Problem Solving

### Question 1

Use  $<$ ,  $>$  or  $=$  to make these number sentences correct.

$$5 \times 7 \bigcirc 40$$

$$6 \times 2 \bigcirc 7 \times 2$$

$$10 \div 2 \bigcirc 12 \div 2$$

### Question 2

There are 50 children in a school.

15 of the children are girls.

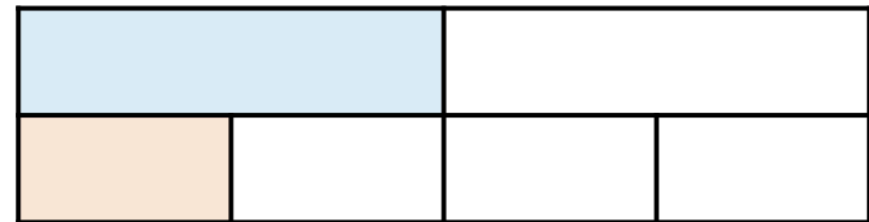
How many more boys than girls are in the school?

Remember to show  
your working out and  
explain your reasoning.

**Mr Patel writes a number on the board.**

- Lee finds  $\frac{1}{2}$  of the number.
- Kim finds  $\frac{1}{4}$  of the number.
- Lee's answer is 5 more than Kim's.

**What is the number Mr Patel started with? This bar model may help you.**



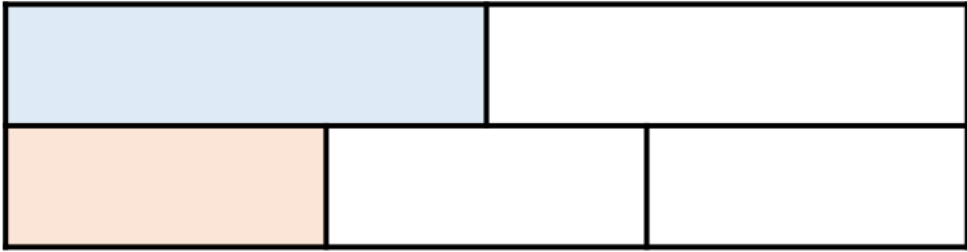
Use  $<$ ,  $>$  or  $=$  to make these number sentences correct.

$$9 \times 7 \bigcirc 8 \times 7$$

$$48 \div 2 \bigcirc 48 \div 4$$

$$300 \times 2 \bigcirc 20 \times 30$$






**There are 1,500 children in a school.  
565 of the children are girls.  
How many more boys than girls are in  
the school?**

**Mr Patel writes a number on the board.**

- **Leon finds  $\frac{1}{2}$  of the number.**
- **Sophie finds  $\frac{1}{3}$  of the number.**
- **Leon's number is 7 more than Sophie's.**

**What is the number Mr Patel started with? This bar model may help you.**



Thursday 4<sup>th</sup> June  
2020

Subject of Focus: Problem Solving

**Here are some digit cards.**



**Mary makes a 2-digit number using two of the cards.**

**How many different numbers can she make?**

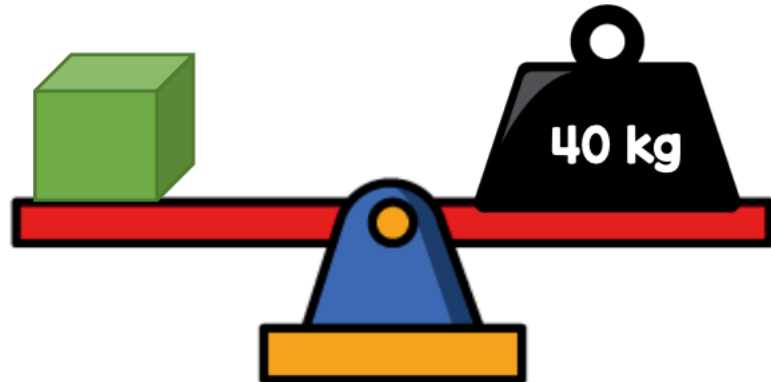
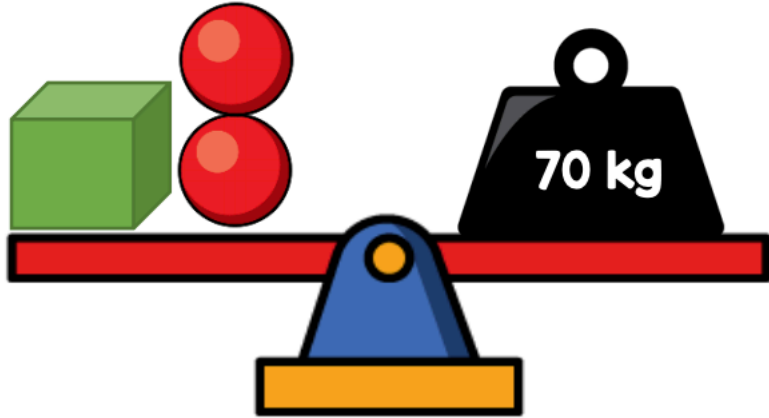
**Here are some digit cards.**



**Find the 4-digit number that is closest to 5,000**

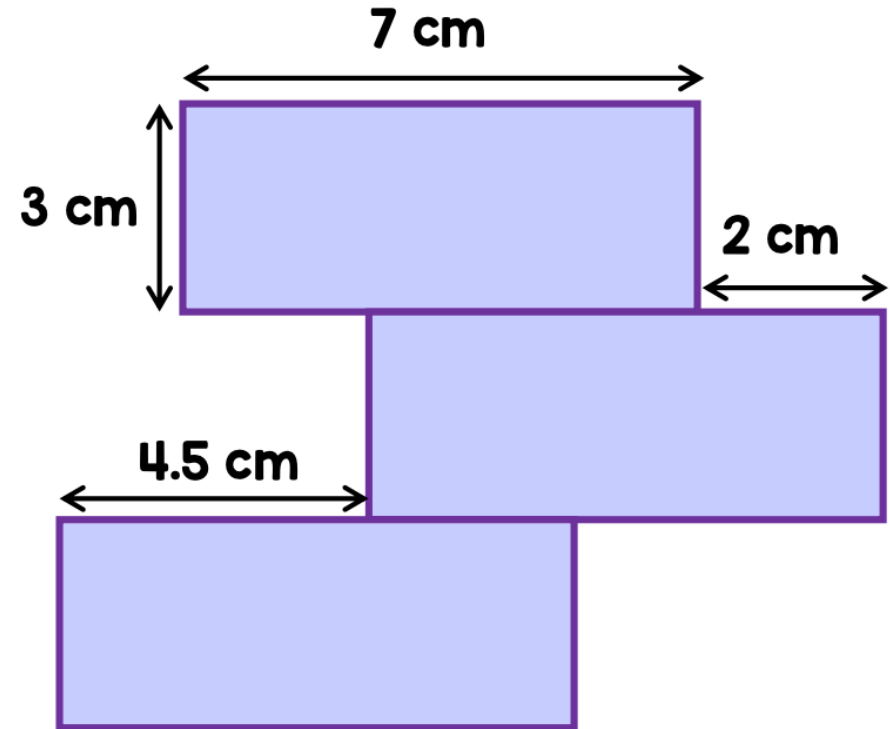
**You may use each card only once.**

**Tom balances some scales.**



**What is the mass of the sphere?**

**Three identical rectangles are arranged to make a shape.**



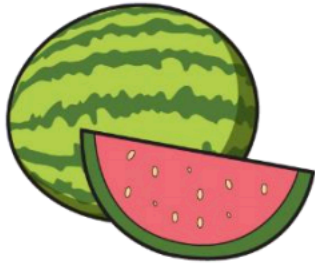
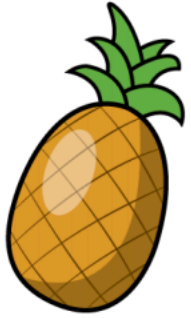
**What is the perimeter of the shape?**



Friday 5<sup>th</sup> June  
2020

Subject of Focus: Problem Solving

**The cost of a pineapple is twice the cost of a melon.**



**£4 each**

**How much do the pineapple and melon cost altogether?**

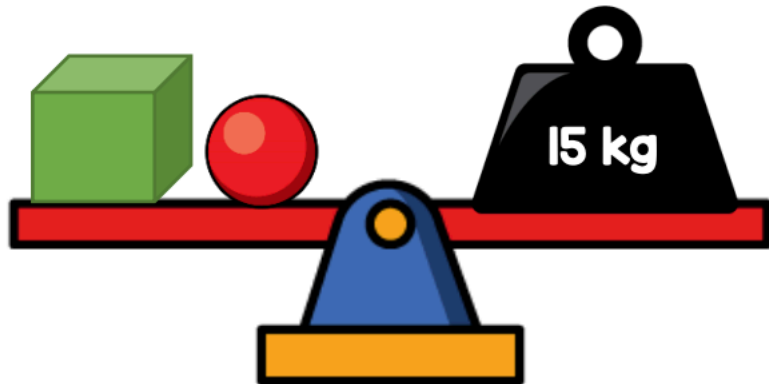
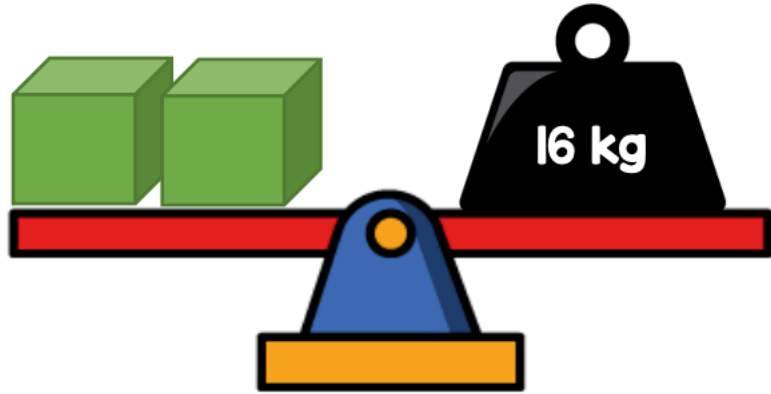
**Tommy thinks of a two-digit number.**

**My number  
ends in a 5**



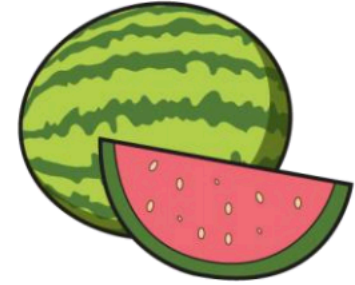
**Does Tommy's number have to be odd? Explain your answer.**

**Gina balances some scales.**



**What is the mass of the sphere?**

**The cost of a pineapple is half the cost of a melon.**



**£3.50 each**

**How much does the pineapple and melon cost altogether?**



**Tommy thinks of a number.**

**5 is a factor of  
my number**



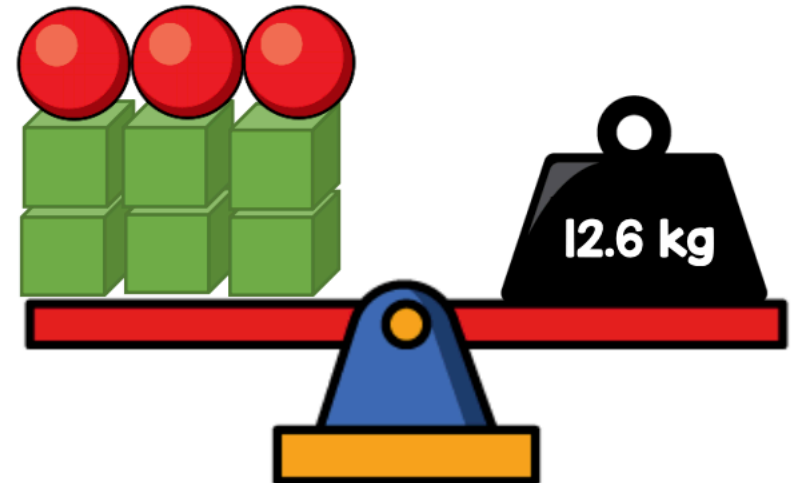
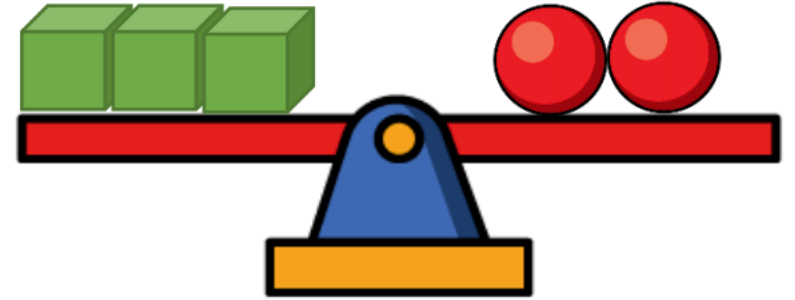
**Does Tommy's number have to be  
odd? Explain your answer.**



Remember to show  
your working out and  
explain your reasoning.



**Gina balances some scales.**



**What is the mass of a cube?**