

# Tuesday Maths Challenges

## Hot

1a. Circle the odd one out.


A.

Tens	Ones
●	● ●
●	● ●
●	● ●

B.

Tens	Ones
●	
●	
●	
●	

C.



D.

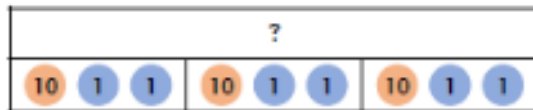
10	1	1
10	1	1
10	1	1



Explain your reasoning.

8

3a. Use the bar model and clues below to work out Evan's number.



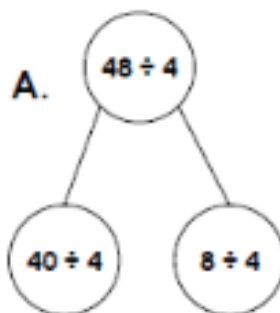
I am thinking of a number.  
When I divide my number by 3, I get the answer 12.  
What is my number?



PS

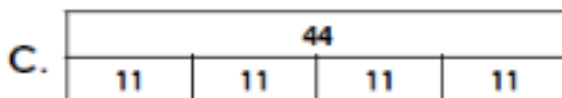
# Hotter

4b. Circle the odd one out.



B.

Tens	Ones
●	● ●
●	● ●
●	● ●
●	● ●



Explain your reasoning.

2

6b. Use the clues to work out Alan's number.

I am thinking of a number.

When I divide my number by 4, I get the answer 12.

What is my number?



PS

# Hottest

8b. Stanley has a box of 88 felt tips.

He throws 4 of them away.

He then gives an equal number to each of his grandchildren.

There were no felt tips left.

How many grandchildren does he have and how many felt tips do they each get?



PS

9b. Solve the problem below.

Reece is thinking of a number.

I add 7 to my number and then divide it by 8. The answer is eleven.

What is Reece's number?



PS

Answers:

## Hot

1a. B is the odd one out because all of the other images have been shared equally into three groups whereas B has been shared into five groups.

3a. Evan's number is 36 because  $36 \div 3 = 12$ .

## Hotter

4b. C is the odd one out because both A and B show the division  $48 \div 4 = 12$  whereas C shows  $44 \div 4 = 11$ .

6b. Alan's number is 48 because  $48 \div 4 = 12$ .

## Hottest

8b. Various answers, for example: Stanley could have 4 grandchildren so each grandchild would receive 21 felt tips because  $84 \div 4 = 21$ .

9b. Reece's number is 95 because  $95 - 7 = 88$  and  $88 \div 8 = 11$ .