

# Maths learning

## Adult guide

This week will continue our focus on multiplication (these are the week 5 activities on White Rose). White rose have teamed up with BBC Bitesize so there will be links to extra learning over the coming weeks. This scheme is designed to help children be ready for their next year of school.

Each day will start with a quick fluency task which will refresh and recap previously taught knowledge.

Either print the sheets and complete them or record the question number and your answer. For some of the problems you may need to draw a shape to show your answer.

Click on the day's learning you would like to access...

[Monday](#)

[Tuesday](#)

[Wednesday](#)

[Thursday](#)

[Friday](#)

# Monday

Must	Extension
<p>Click here for todays learning video – <a href="#">link</a> (Week 6 activities NOT week 7)</p> <p>Complete 'The Ten Times Table' activities – <a href="#">link</a> (also on next slides)</p>	<p><b>Watch the Ten times table video here:</b></p> <p><a href="https://www.youtube.com/watch?v=8yxMJUHBsIY">https://www.youtube.com/watch?v=8yxMJUHBsIY</a></p> <p><b>Can you recall your 10 times table?</b></p>

## Vocabulary

Multiplication

Lots of

Times

Groups of

Repeated addition

## Quick calculation?

Time how long it takes you

$3 + 4 =$

$10 + 20 =$

$\text{double } 4 =$

$6 \times 5 =$

$7 \times 10 =$

$8 \times 2 =$

$12 + 8 =$

$7 + 7 =$

$20 + 50 =$

$20 - 7 =$

$20 - 11 =$

$20 - 4 =$

## The 10 times-table

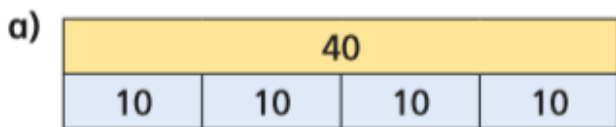
- 1 How many cookies are there?



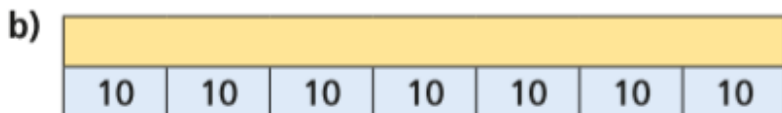
$$\square \times 10 = \square$$

There are  cookies.

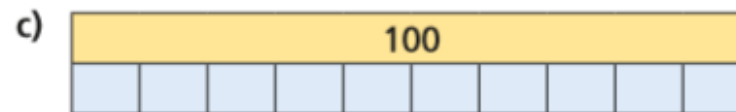
- 2 Complete the multiplication fact to match the bar model.



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



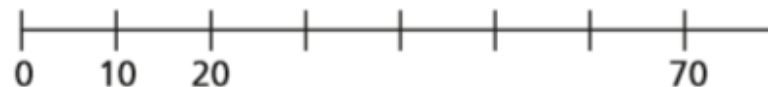
$$\square \times \square = \square$$



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

- 3 Draw a bar model to represent  $5 \times 10$

- 4 a) Complete the number line.



- b) Which times-table does the number line show?

Tick your answer.

10 times-table    5 times-table    1 times-table

5 Complete the number sentences.

a)  $2 \times 10 = \square$

f)  $\square = 10 \times 10$

b)  $\square = 7 \times 10$

g)  $10 \times \square = 10$

c)  $10 \times 4 = \square$

h)  $10 \times 0 = \square$

d)  $10 \times \square = 110$

i)  $30 = 10 \times \square$

e)  $80 = \square \times 10$

j)  $\square \times 10 = 90$

6 Eva is 7 years old.

Her gran is 10 times older.

How old is Eva's gran?

Eva's gran is  $\square$  years old.

7 Four children each have some money.

Teddy has this money.



Dora

I have twice  
as much money  
as Teddy.



Rosie

I have ten times  
as much money  
as Dora.



Jack

I have five times  
as much money  
as Teddy.

How much money do they each have?

Teddy has  $\square$  p

Dora has  $\square$  p

Jack has  $\square$  p

Rosie has  $\square$  p

# Tuesday

Must	Extension
<p>Click here for todays learning video – <a href="#">link</a> (Week 6 activities NOT week 7)</p> <p>Complete use ‘Make equal groups’ activities – <a href="#">link</a> (also on next slides)</p>	<p>Can you use objects around your home to make up and solve your own sharing problems?</p>

## Vocabulary

Share  
Equal  
The same  
Divide  
Even

# Fluency Task

Tuesday

## Quick calculation?

Time how long it takes you

$$17 - 7 =$$

$$20 - 12 =$$

$$30 + 10 =$$

$$20 - 16 =$$

$$20 - 5 =$$

$$100 - 50 =$$

$$70 + 20 =$$

$$40 - 20 =$$



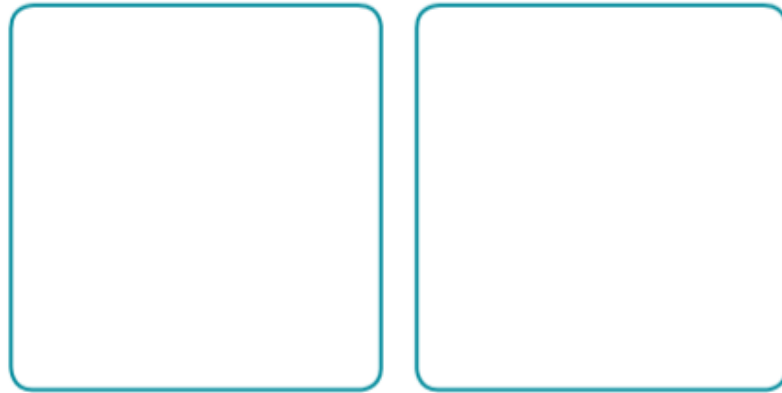
## Make equal groups – sharing

- 1 Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.



Complete the sentences.

There are 12 apples.

There are  boxes.

There are  apples in each box.



- 2 Take 20 cubes.

- a) Share them into 2 equal groups.  
Complete the sentences.

There are 20 cubes.

There are  groups.

There are  cubes in each group.

- b) Share the cubes into 5 equal groups.  
Complete the sentences.

There are 20 cubes.

There are  groups.

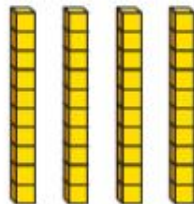
There are  cubes in each group.

- c) You can share 20 into other equal groups.

Is this true? \_\_\_\_\_

How do you know?

- 3 Complete the divisions.  
Use base 10 to help you.



a)  $40 \div 2 = \square$

c)  $40 \div 5 = \square$

b)  $40 \div 4 = \square$

d)  $40 \div 10 = \square$

Did you have to make any exchanges?

- 4 30 flowers are shared equally between 5 vases.



- a) Complete the division.

$$\square \div \square = \square$$

- b) What does each part of the division represent?  
Talk about it with a partner.



- 5 Complete the divisions.

A  $20 \div 5 = \square$

C  $20 \div \square = 2$

B  $20 \div 4 = \square$

D  $20 \div 2 = \square$

Write a letter in each box to match the divisions to the sentences.

Dora has 20 apples. She shares them equally between 4 boxes.

Ron has 20 sweets. He shares them equally between some party bags.  
There are 2 sweets in each party bag.

Dexter has 20 toy cars. He shares them equally between 5 boxes.

Whitney has 20 dolls. She shares them equally with her sister.

What other sentences can you think of to match the divisions?

# Wednesday

Must	Extension
<p>Click here for todays learning video – <a href="#">link</a> (Week 6 activities NOT week 7)</p> <p>Complete ‘Make equal groups’ activities – <a href="#">link</a> (also on next slides)</p>	<p>Can you use objects around your home to make up and solve your own grouping problems?</p>

## Vocabulary

Share  
Groups of  
Even  
The same

## Mystery number

I think of a mystery number. I double it and add 5.

I end up with 15.

What was my mystery number?

## Make equal groups – grouping

- 1 Annie has 10 apples.



Annie has some plates.  
She wants to put 2 apples on each plate.  
Show how Annie groups the apples.

Complete the sentences.

There are  apples.

There are  apples on each plate.

There are  plates.



- 2 Take 15 counters.



Put the counters into groups of 3

Complete the sentences.

There are 15 counters.

The counters are in groups of

There are  groups.

- 3 Mo has 20 chairs.

a) Circle groups of 5 chairs.



b) How many groups did you circle?

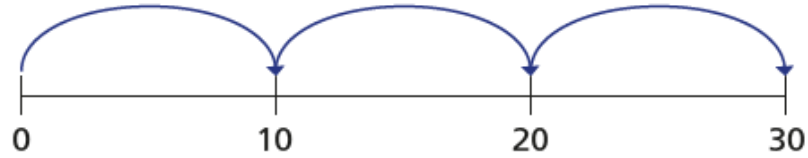
c) Complete the number sentence.

$$\boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

- 4 Complete the number sentences.

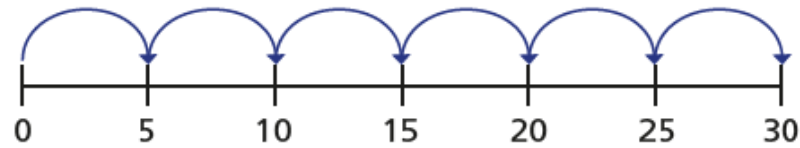
Use the number line to help you.

a)  $30 \div 10 = \square$



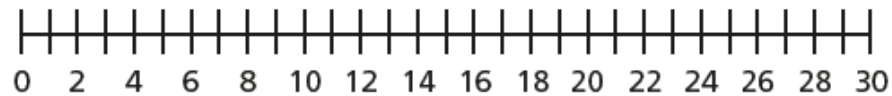
30 is made of  equal groups of

b)  $30 \div 5 = \square$



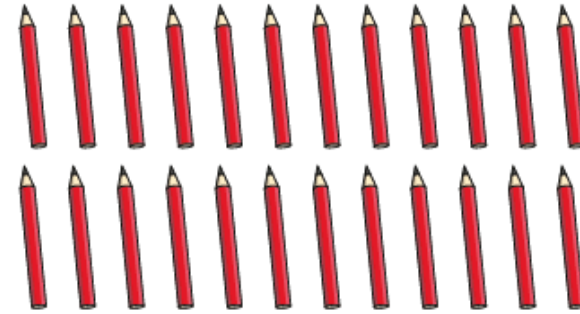
30 is made of  equal groups of

- c) Investigate other equal groups you could make with 30



Talk about it with a partner.

- 5 Eva is putting 24 pencils into pots.



She puts 2 pencils into each pot.

How many pots does Eva need?

$$\square \div \square = \square$$

Eva needs  pots.

- 6

With 40 counters  
you can only make equal  
groups of 4 and 10



Is Ron correct? \_\_\_\_\_

Use counters to show how you know.

# Thursday

Must	Extension
<p>Click here for todays learning video – <a href="#">link</a> (Week 6 activities NOT week 7)</p> <p>Complete the ‘odd and even’ activities – <a href="#">link</a> (also on next slides)</p>	<p>Can you play the odd or even game?</p> <p><a href="https://www.topmarks.co.uk/learning-to-count/coconut-odd-or-even">https://www.topmarks.co.uk/learning-to-count/coconut-odd-or-even</a></p>

## Vocabulary

Odd  
Even  
Share  
Equal

# Fluency Task

Thursday

2 times table quiz... Time how quickly you can solve these 2 times table sums

$5 \times 2 =$

$10 \times 2 =$

$1 \times 2 =$

$3 \times 2 =$

$4 \times 2 =$

$0 \times 2 =$

$7 \times 2 =$

$9 \times 2 =$

$8 \times 2 =$

$11 \times 2 =$

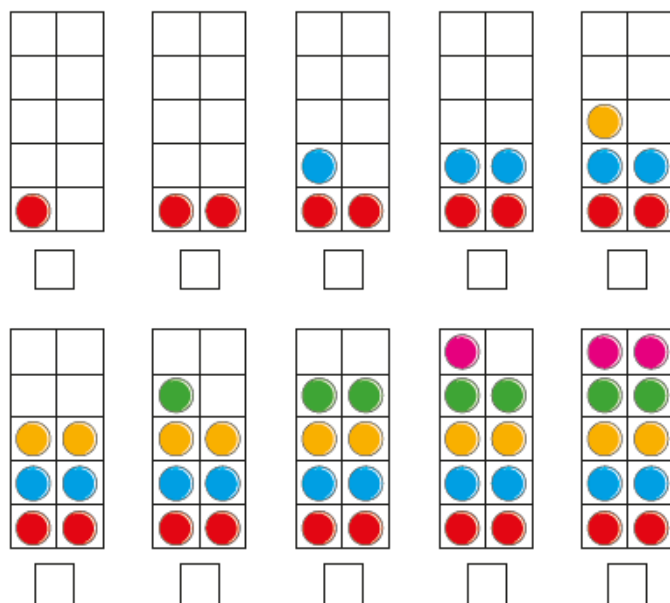
$2 \times 2 =$

$6 \times 5 =$



# Odd and even numbers

- 1 Eva uses counters to make the numbers from 1 to 10



Tick all the numbers that are even.  
What do you notice about all the even numbers?

- 2 Use counters and ten frames.
- Show that 14 is an even number.
  - Show that 15 is an odd number.
  - Work out whether 18 is even or odd.
- Compare answers with a partner.

- 3 Draw circles to show the groups.
- Group the shoes in 2s to show that 16 is even.



- Group the socks in 2s to show that 17 is odd.

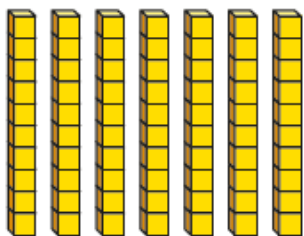


- 4 Colour all the even numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

What do you notice about the last digit of all the even numbers?

- 5 Dexter makes the number 70 from base 10



What mistake has Dexter made?

- 6 a) Teddy has a 2-digit number.

The 1st digit has been covered up.



Is Teddy's number odd or even?

Circle your answer.

odd          even          you cannot tell

How do you know?

- b) Dora has a 2-digit number

The 2nd digit has been covered up.



Is Dora's number odd or even?

Circle your answer.

odd          even          you cannot tell

- 7 Roll 2 dice and find the total.

Complete the table.

Dice 1	Dice 2	Total	Is the total odd or even?
3 (odd)	2 (even)	$3 + 2 = 5$	odd

What patterns can you spot?

- 8 Whitney is making a number pattern.

, 5, 7, 9, 11, 13, 15, ,

a) Write the missing numbers.

b) Write 2 numbers greater than 30 that could be in the pattern.

c) Write 2 numbers greater than 60 that could not be in the pattern.

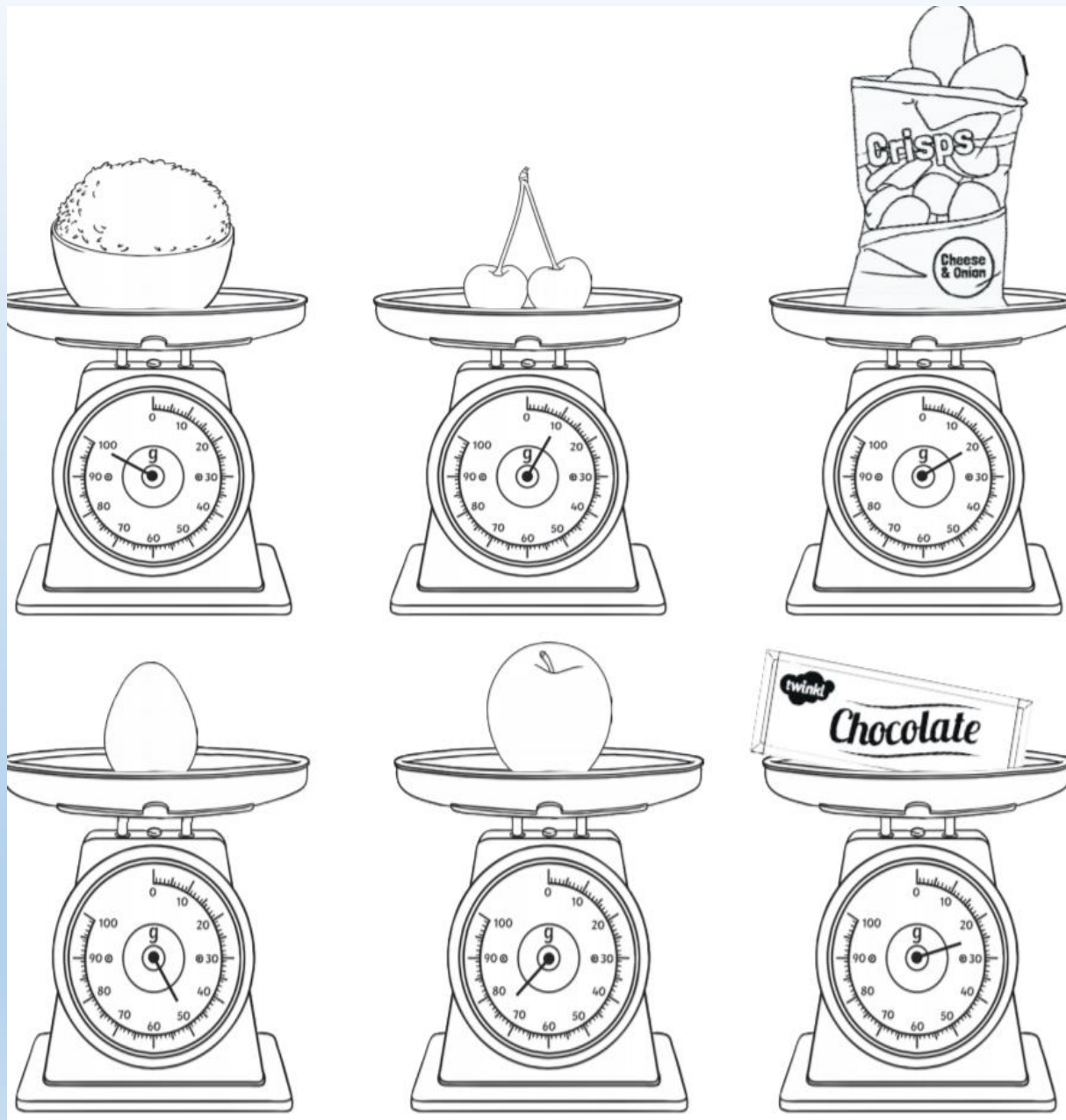
# Friday

Must	Extension
<p>Click here for todays learning video – <a href="#">link</a> (Week 5 activities NOT week 4)</p> <p>Challenge day! Can you complete the maths challenges?.</p>	<p>Can you play the mental maths games?: <a href="https://www.topmarks.co.uk/maths-games/hit-the-button">https://www.topmarks.co.uk/maths-games/hit-the-button</a></p>

# Fluency Task

Friday

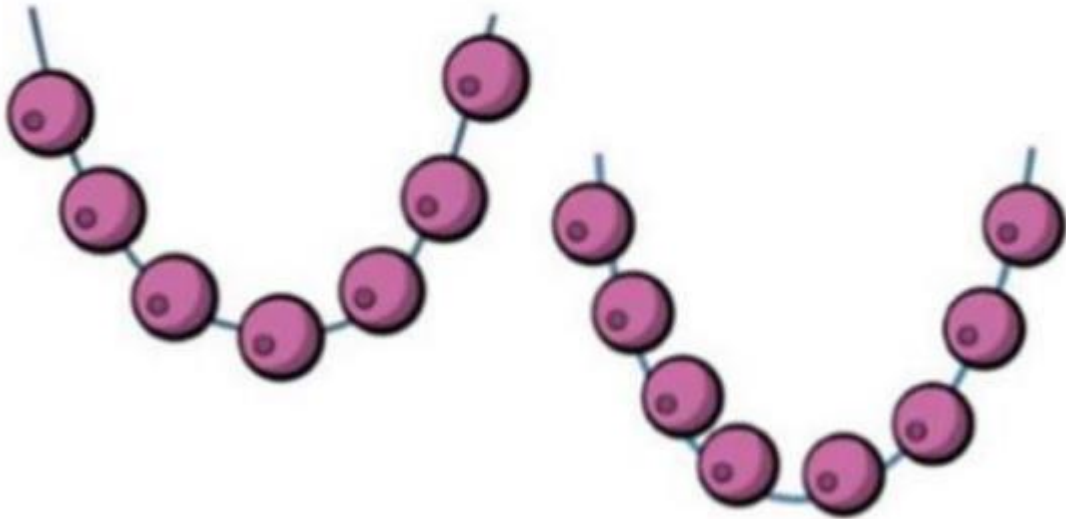
How many grams do these items weigh?



## Challenge 1

Sal has 20 beads.

She uses some beads to make these two necklaces.



How many beads does she have left?

## Challenge 2

George is thinking of a 2 digit number.



**My number is in  
the 5 times table.**



**My number is  
less than 80**

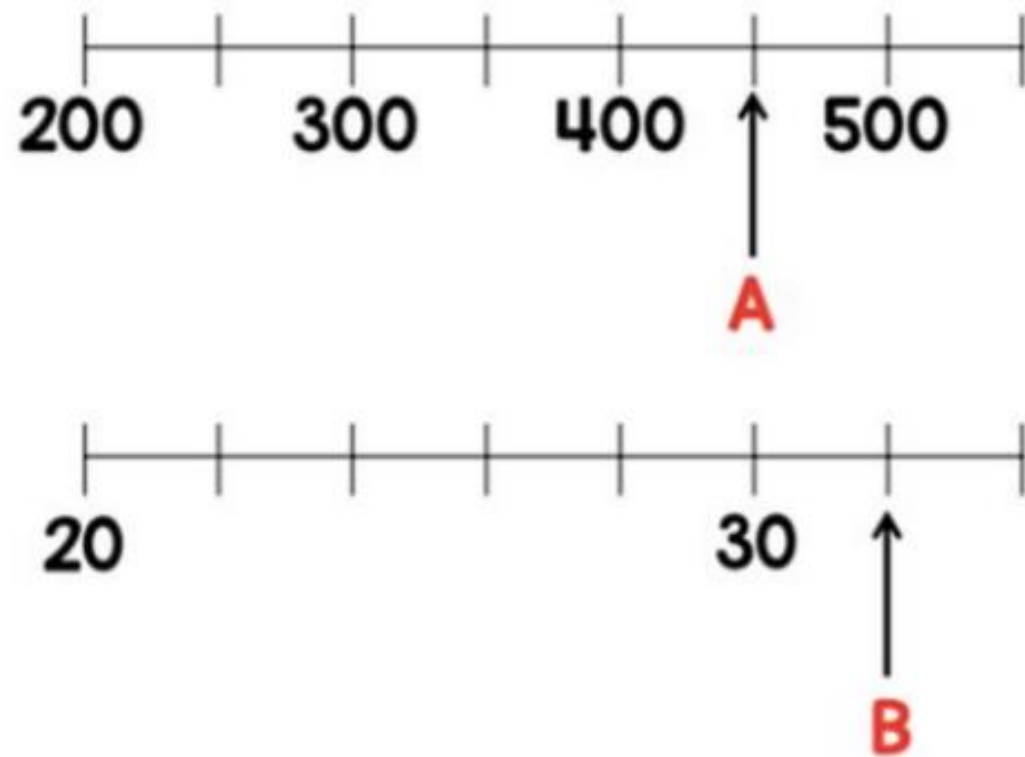


**The sum of the  
digits is 9**

What number is George thinking of?

## Challenge 3

Two numbers, A and B, are marked on the number lines.



Find the sum of A and B.

## Challenge 4

Max buys a shirt and a jacket.



The jacket costs £25 more than the shirt.

The total cost of the shirt and jacket is £87.

How much does each item cost?