



Year 2 Maths Home Learning | Summer Term



Week Commencing 1st June

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Maths



After watching the videos and doing the practice activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy. **Adults** we have now attached an answer sheet for all of the activities on this worksheet (year 2 home learning page, week 6, answers).

Remember that these activities are to work from, not on. There is no expectation to complete all of the work or to print worksheets off – children can work on paper if they want to write it down. It is also fine for your child to just say the answer, or for instance, where it says 'circle all of the number bonds' it's fine for them to simply point to them! 😊

Extensions – You may wish to deepen your learning by looking at the worksheets provided by the BBC too.

Monday

Repeated addition and multiplication: 10 x table

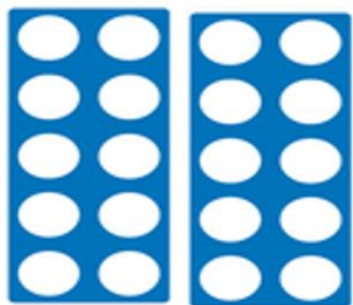
<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

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(In school we teach the children that the x symbol means 'equal groups of')

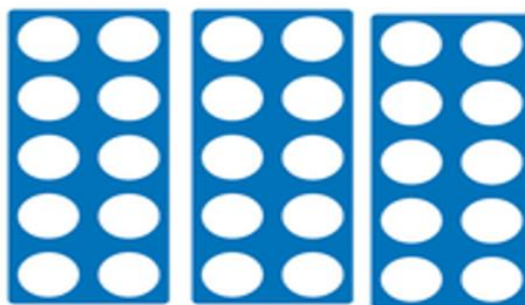
Mild

Begin by practising your 10 times tables - remember it's always important to practise your times tables over and over again so that you don't forget them and they become sticky knowledge and you can quickly recall them.



$$10 + 10 = \underline{\hspace{2cm}}$$

$$2 \times 10 = \underline{\hspace{2cm}}$$



$$10 + 10 + 10 = \underline{\hspace{2cm}}$$

$$3 \times 10 = \underline{\hspace{2cm}}$$

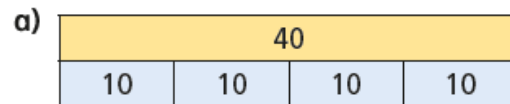
How many cookies are there?



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

There are $\square$ cookies.

Complete the multiplication fact to match the bar model.



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

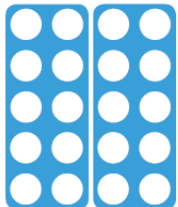
Extra Task - Using the example above, can you now create your own bar model for the number 50 - don't forget to write the multiplication underneath!

Extension at the bottom of Monday learning

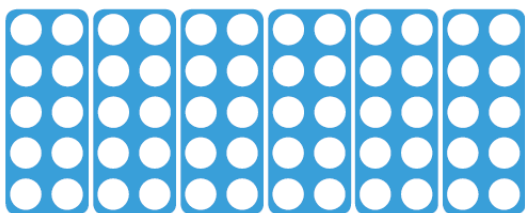
Medium

Begin by practising your 10 times tables - remember it's always important to practise your times tables over and over again so that you don't forget them and they become sticky knowledge and you can quickly recall them.

How many groups are there? Times by how many circles are in each group...

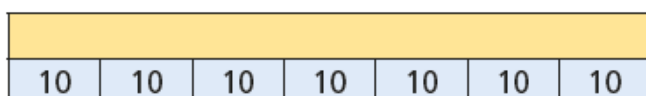


$$\square \times \square = \square$$

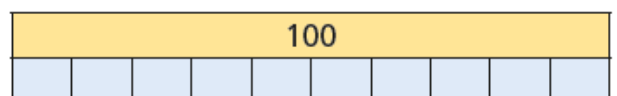


$$\square \times \square = \square$$

Complete the bar model and multiplication fact to match the bar model -



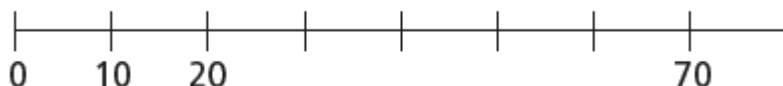
$$\square \times \square = \square$$



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

Extra Task - Using the example above, can you now create your own bar model for the number 80 - don't forget to write the multiplication underneath!

a) Complete the number line.



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

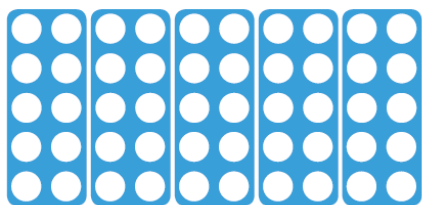
Tick your answer.

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

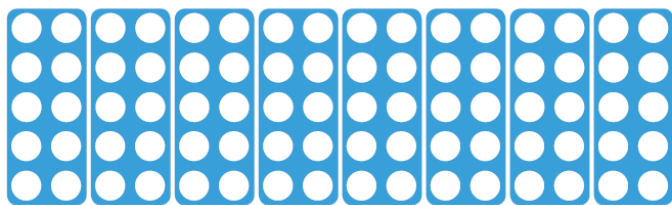
Extension at the bottom of Monday learning

Spicy

Begin by practising your 10 times tables - remember it's always important to practise your times tables over and over again so that you don't forget them and they become sticky knowledge and you can quickly recall them.



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



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

Complete the number sentences.

a) $2 \times 10 = \square$

f) $\square = 10 \times 10$

b) $\square = 7 \times 10$

g) $10 \times \square = 10$

d) $10 \times \square = 110$

i) $30 = 10 \times \square$

c) $10 \times 4 = \square$

h) $10 \times 0 = \square$

e) $80 = \square \times 10$

j) $\square \times 10 = 90$

(The = symbol means 'has the same value as' and can be at the beginning or end of an equation)

Eva is 7 years old.

Her gran is 10 times older.

How old is Eva's gran?

Eva's gran is years old.

Think of a multiplication fact for 10s to go in each box.

2×10		9×10	0×10		2×10		
smallest		greatest		smallest		greatest	
	1×10	6×10		5×10			
smallest		greatest		smallest		greatest	

Monday extension - all children

Challenge yourself - how quickly can you complete these 10 times table questions?

Remember it doesn't matter whether the 10 is the first number or the second - you can still count in tens. So for 2×10 count 10,20 and for 10×4 count 10,20,30,40 as this is much easier than counting in 4s.

I can complete 10 times table calculations.

$10 \times 5 = \underline{\quad\quad\quad} \quad 7 \times 10 = \underline{\quad\quad\quad} \quad 4 \times 10 = \underline{\quad\quad\quad}$

$7 \times 10 = \underline{\quad\quad\quad} \quad 10 \times 4 = \underline{\quad\quad\quad} \quad 10 \times 3 = \underline{\quad\quad\quad}$

$10 \times 2 = \underline{\quad\quad\quad} \quad 3 \times 10 = \underline{\quad\quad\quad} \quad 0 \times 10 = \underline{\quad\quad\quad}$

$6 \times 10 = \underline{\quad\quad\quad} \quad 10 \times 2 = \underline{\quad\quad\quad} \quad 10 \times 2 = \underline{\quad\quad\quad}$

$10 \times 9 = \underline{\quad\quad\quad} \quad 9 \times 10 = \underline{\quad\quad\quad} \quad 7 \times 10 = \underline{\quad\quad\quad}$

$0 \times 10 = \underline{\quad\quad\quad} \quad 10 \times 1 = \underline{\quad\quad\quad} \quad 10 \times 1 = \underline{\quad\quad\quad}$

$10 \times 1 = \underline{\quad\quad\quad} \quad 10 \times 0 = \underline{\quad\quad\quad} \quad 3 \times 10 = \underline{\quad\quad\quad}$

$8 \times 10 = \underline{\quad\quad\quad} \quad 4 \times 10 = \underline{\quad\quad\quad} \quad 10 \times 5 = \underline{\quad\quad\quad}$

$10 \times 5 = \underline{\quad\quad\quad} \quad 10 \times 8 = \underline{\quad\quad\quad} \quad 9 \times 10 = \underline{\quad\quad\quad}$

$3 \times 10 = \underline{\quad\quad\quad} \quad 1 \times 10 = \underline{\quad\quad\quad} \quad 10 \times 0 = \underline{\quad\quad\quad}$

$10 \times 6 = \underline{\quad\quad\quad} \quad 10 \times 5 = \underline{\quad\quad\quad} \quad 2 \times 10 = \underline{\quad\quad\quad}$

Tuesday

Making equal groups by sharing

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

(Children will now be introduced to the $\div$ symbol. In school we teach the children to share into equal groups, e.g. $10 \div 2 = 5$ is the same as 10 shared into 2 equal groups which makes 5 in each group)

Mild

Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.

Complete the sentences.

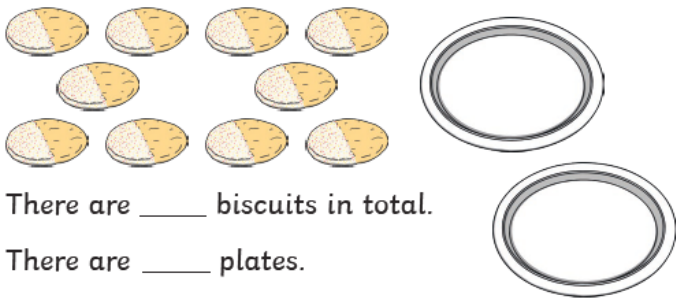
There are 12 apples.

There are boxes.

There are apples in each box.

Teachers tip: We would teach this by drawing 2 boxes. Then one at a time, we would draw an apple in one box, cross it off from the 12 apples above and then do the same in the 2nd box. Keep doing this until all of the apples have been crossed off. Then we teach children to check that they have the same amount in each box - this is how they know that they have 2 **equal** groups.

Share the 10 biscuits equally between 2 plates.



There are _____ biscuits in total.

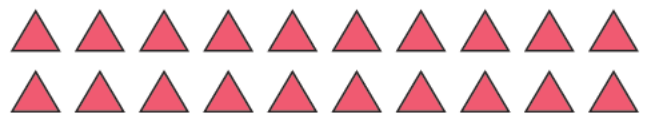
There are _____ plates.

There are _____ biscuits on each plate.

$$10 \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Share these triangles equally between these groups by drawing them into the boxes.

Write a matching calculation.

[illegible]

Medium

The task states 20 cubes but please use what you have. As an example - cereal, sweets, pens or simply draw 20 counters.

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.

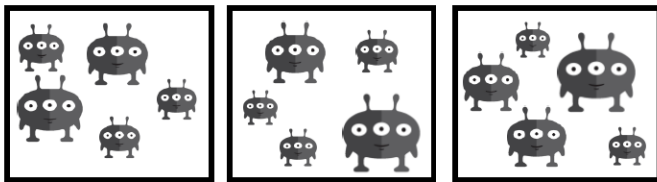
Complete the sentences.

There are 20 cubes.

There are groups.

There are cubes in each group.

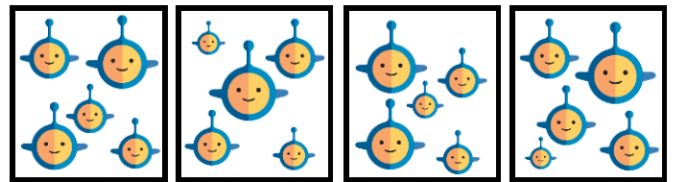
7a. Use the pictures to complete the number sentence.



$$15 \div \square = \square$$

VF

7b. Use the pictures to complete the number sentence.



$$20 \div \square = \square$$

VF

5a. Tania shares her flowers between 4 vases. Each vase has 5 flowers.

How many flowers does Tania have altogether?



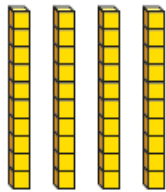
Tania gives away 2 flowers and 2 vases.

Can Tania re-share the flowers equally between the remaining vases?

Spicy

You can draw base 10 to help you. Remember you can change your tens into ones.

Complete the divisions.
Use base 10 to help you.



a) $40 \div 2 =$

c) $40 \div 5 =$

b) $40 \div 4 =$

d) $40 \div 10 =$

30 flowers are shared equally between 5 vases.



a) Complete the division.

$$\boxed{} \div \boxed{} = \boxed{}$$

b) What does each part of the division represent?

10a. True or false? 36 can be shared equally between 7 groups.



36 cans



10b. True or false? 24 can be shared equally between 6 groups.



24 apples



5 children want to buy sweets from the shop.
They want to share them equally.
Which bag should they buy? Explain why.



Alex has 20 sweets and shares them between 5 friends.



Tommy has 20 sweets and shares them between 10 friends.

Whose friends will receive the most sweets?

How do you know?

Wednesday

Making equal groups by grouping

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

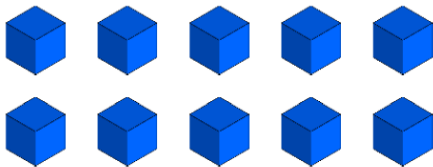
<https://whiterosemaths.com/homelearning/year-2/>

(Children will now be introduced to the $\div$ symbol. In school we teach the children to share into equal groups, e.g. $10 \div 2 = 5$ is the same as 10 shared into equal groups of 2 equals 5. To work mentally children may count in 2s to 10 on fingers so that each finger represents a group of 2. To find the answer they would count how many fingers = 5).

Mild

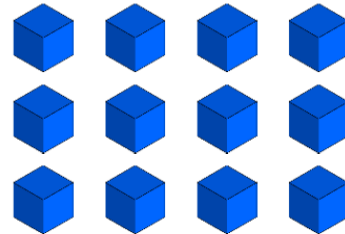
You can draw the cubes on a piece of paper and then group them if you do not have the paper printed out.

1a. Sort 10 cubes into equal groups of 2.



How many groups are there?

1b. Sort 12 cubes into equal groups of 4.



How many groups are there?

2a. Put the apples into equal groups of 10.



Use the groups to complete this calculation:

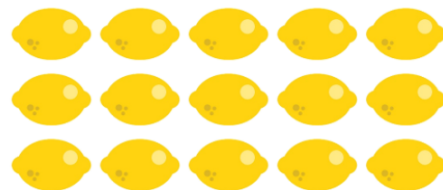


$$20 \div \square = 10$$

VF



2b. Put the lemons into equal groups of 5.



Use the groups to complete this calculation:

$$15 \div \square = 5$$

VF

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.

Medium

You can draw the counters/chairs on a piece of paper and then group them if you do not have the paper printed out.

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.

Mo has 20 chairs.

a) Circle groups of 5 chairs.

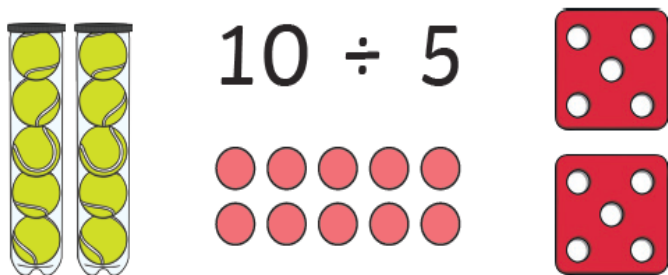


b) How many groups did you circle?

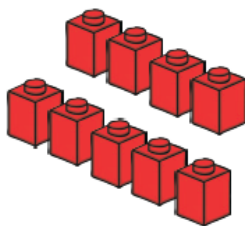
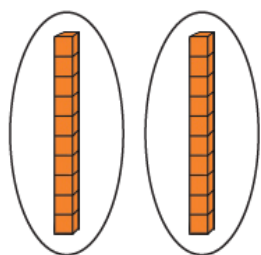
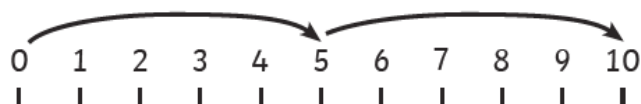
c) Complete the number sentence.

$$\boxed{} \div \boxed{} = \boxed{}$$

Which of these pictures match the calculation?



$$10 \div 5$$



Can you think of other ways to represent this calculation either with equipment or by drawing?

Doughnuts are sold in a box of 10. Two doughnuts are given to each person. How many people can be fed?

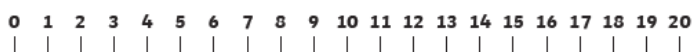
There are ____ doughnuts.

There are ____ doughnuts for each person.

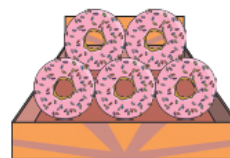
The box will feed ____ people.



Use a number line to calculate how many groups of 5 can be made from 20.



Put 15 doughnuts into groups of 5. Show this grouping on a number line.



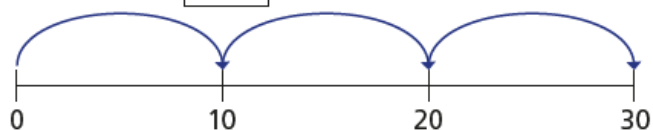
You can draw the number line yourself on paper.

Spicy

Complete the number sentences.

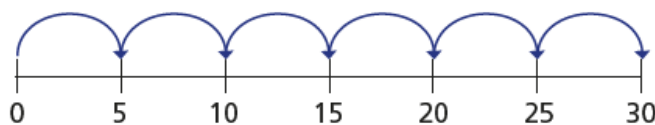
Use the number line to help you.

a) $30 \div 10 =$

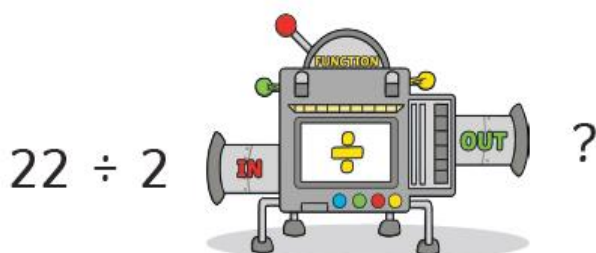


30 is made of equal groups of

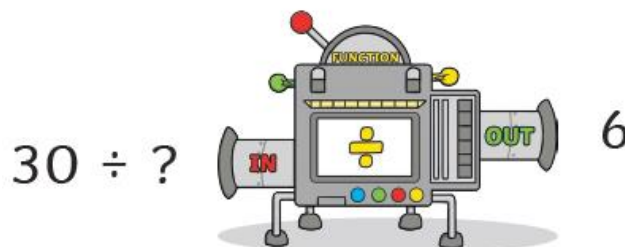
b) $30 \div 5 =$



30 is made of equal groups of



Draw 22 counters and then split them equally into 2 groups. How many are in each group?



Draw 30 counters and then split them equally into 6 groups. How many are in each group?

Amir has some counters.
He makes 5 equal groups.



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



The amount he started with
is greater than 10 but less
than 35

Is Ron correct? _____

Use counters to show how you know.

How many counters could he have
started with?

How many will be in each group?

Thursday

Odd and even numbers

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Starter activity - all children

Write down in order all of the odd numbers that you know.

Write down all of the even numbers that you know.

What do you notice about the even numbers?

Remember it is only the final digit in a number that you need to look at e.g. 152
is even because 2 is even, 3465 is odd because 5 is odd.

Mild

8

Odd or even? How do you know?

11

Odd or even? How do you know?

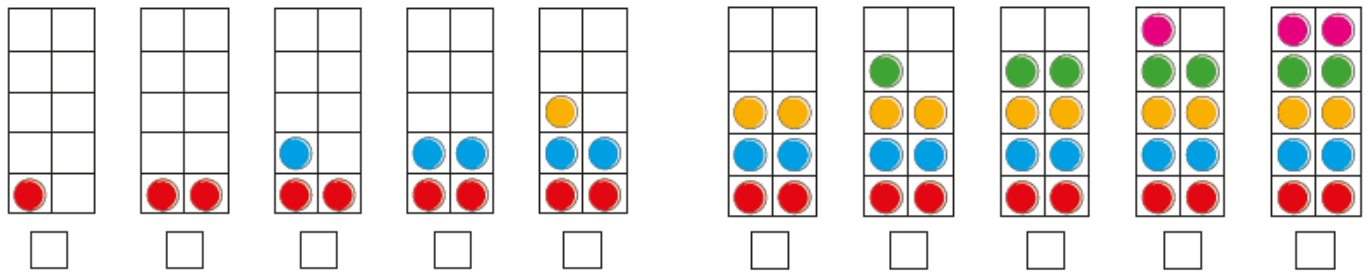
16

Odd or even? How do you know?

Draw circles to show the groups.

a) Group the shoes in 2s to show that 16 is even.





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



You can draw out the counters and then circle them.

Medium

Tick the odd numbers:

72 ☐ 34 ☐ 21 ☐ 79 ☐ 125 ☐ 108 ☐ 80 ☐

Tick the even numbers:

88 ☐ 22 ☐ 50 ☐ 21 ☐ 342 ☐ 233 ☐ 44 ☐

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?

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

Circle the **greatest even** number.

14 16 21 23

Circle the **smallest odd** number.

11 12 16 19

7. Kamron and Helen have 45 pens. Who is correct? Convince me.



Kamron

We have an odd amount of pens.



Helen

We have an even amount of pens.

Spicy

Tick the odd numbers:

272 ☐ 434 ☐ 321 ☐ 79 ☐ 125 ☐ 108 ☐ 80 ☐

Tick the even numbers:

88 ☐ 322 ☐ 950 ☐ 421 ☐ 342 ☐ 233 ☐ 344 ☐

Circle all the **odd** numbers.

68 91 26 43 82 37 75

14 83 25 54 98 17 69

40 55 70 99 22 81 48

Circle all the **even** numbers.

38 57 14 45 96 29 60

31 20 62 44 97 82 10

43 87 34 78 95 56 72

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.

Tommy says that when he adds two odd numbers together, his total will be even.

Is he correct?
Convince me.



What else can you find out?

Friday

Times Table Rock stars, key skills and quiz on following page!

Times Table Rockstars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!



Key skills - doubles and halves

Have a go at playing hit the button like we do at school.
Focus on doubles and halves - how many can you get right in 1 minute?

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Weekly Quiz

Mild

1. What is the missing number?

13 14 15 16

2. What is the missing number?

10 15 20 25

3. What number is one less than 99?

4. Pat has 12 sweets. Sam has 15.
Who has the least?

5. Write this number in words:
20

6. What symbol is missing?
9 6 = 3

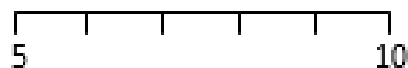
Medium/Spicy

1. What is the missing number?

64 54 44 34 24

2. What is the **value** of the 9 in this number?
89

3. Draw an arrow to label 9.



4. Use $<$, $>$ or $=$ to make this correct:
 3×2 $2 + 4$

5. Write this number in numerals.
seventy two

6. There are 34 people on a train. 22
get off. How many people now?

Well done girls and boys, you have finished week 6!

I am so proud of your efforts 😊