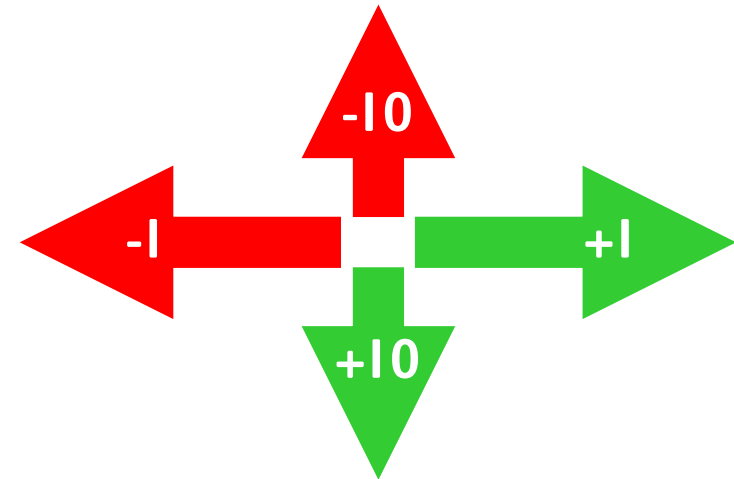




Maths - Home Learning Year Two Multiplication and Division

One Hundred Square

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
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Mental Mathematics

Mental Mathematics on Walter Tube

The children need to practise their mental mathematics as regularly as possible. Visit our [Walter Tube channel](#) to find the following videos. You can access these on a phone, tablet, computer or even a smart TV. The more the children practise at these the faster and better they will get. Try practising just a few each day.

Subitising – instantly see how many things there are without counting.

<https://www.youtube.com/watch?v=xosFB4sFTK4> - Numicon

<https://www.youtube.com/watch?v=anLFEKFAMkk> - Pound Coins

https://www.youtube.com/watch?v=XPwTyBQHI_U - Pennies

<https://www.youtube.com/watch?v=p62sssP8zdk> - Dots

<https://www.youtube.com/watch?v=SxwalAc609Q> - Dice

<https://www.youtube.com/watch?v=7qrs3nhjtkM> - Bears

Counting Patterns

2s - <https://youtu.be/lmaHD2MSHY>

3s - <https://youtu.be/hhiFQRg2GoU>

5s - <https://youtu.be/kMAzgb9GOVE>

10s - <https://youtu.be/6K2Re0AZTiE>

Mixed Up Counting Patterns

2s - https://youtu.be/cTAvwMTW_2c

3s - <https://youtu.be/mnPHxxIcZq4>

5s - <https://youtu.be/TQ3XR-ugzns>

10s - <https://youtu.be/Po4WSqWnNUE>

Multiplication Challenge

x 2 - <https://youtu.be/bSwTUZvDDNg>

x 3 - <https://youtu.be/zuKjxNIxjmQ>

x 5 - <https://youtu.be/xQ4kPIZfCPc>

x 10 - <https://youtu.be/8Z2Pijb-Xvg>

Division Challenge

÷ 2 - <https://youtu.be/p78FGUAbUU>

÷ 3 - https://youtu.be/Bnd_TB03gCO

÷ 5 - <https://youtu.be/oXPYkJqLdzU>

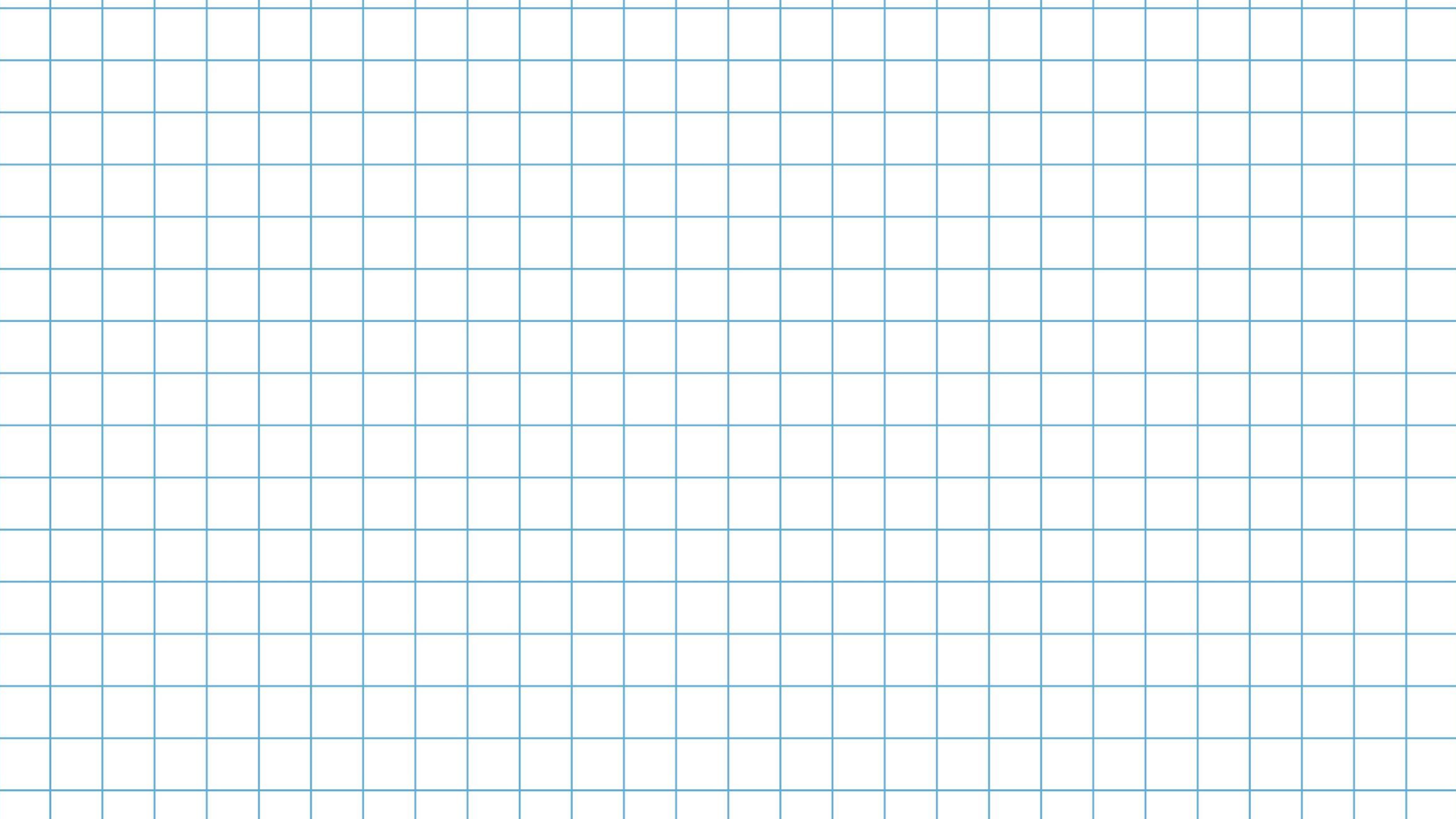
÷ 10 - <https://youtu.be/hGJhXYgH1RM>

Other Online Resources

Don't forget there are lots of maths activities on Education City, Purple Mash, The Oak National Academy and BBC Bitesize. We have lots of links and resources on our school website, under Home Learning.

https://www.walter.wokingham.sch.uk/website/home_learning/





Activity 1 – multiplying by 2 and 3

First, lets start by practising the 2s and 3s counting patterns forwards and backwards.

0	2	4	6	8	10	12	14	16	18	20	22	24
---	---	---	---	---	----	----	----	----	----	----	----	----

24	22	20	18	16	14	12	10	8	6	4	2	0
----	----	----	----	----	----	----	----	---	---	---	---	---

0	3	6	9	12	15	18	21	24	27	30	33	36
---	---	---	---	----	----	----	----	----	----	----	----	----

36	33	30	27	24	21	18	15	12	9	6	3	0
----	----	----	----	----	----	----	----	----	---	---	---	---

Activity 1 – multiplying by 2 and 3

Use the grid below to help you compose some multiplication number sentences. Use your counting patterns and fingers to help you multiply. Do as many as you can in 30 minutes.

2	7	6	10
9	4	1	12
5	11	8	3

$$\times 2 =$$

$$\times 3 =$$

NB: if you want to make the work more challenging then try to find all of the multiples of 2 and 3. Can you put them in order? Have you noticed any patterns?

Activity 2 – multiplying by 5 and 10

First, lets start by practising the 5s and 10s counting patterns forwards and backwards.

0	5	10	15	20	25	30	35	40	45	50	55	60
---	---	----	----	----	----	----	----	----	----	----	----	----

60	55	50	45	40	35	30	25	20	15	10	5	0
----	----	----	----	----	----	----	----	----	----	----	---	---

0	10	20	30	40	50	60	70	80	90	100	110	120
---	----	----	----	----	----	----	----	----	----	-----	-----	-----

120	110	100	90	80	70	60	50	40	30	20	10	0
-----	-----	-----	----	----	----	----	----	----	----	----	----	---

Activity 2 – multiplying by 5 and 10

Use the grid below to help you compose some multiplication number sentences. Use your counting patterns and fingers to help you multiply. Do as many as you can in 30 minutes.

2	7	6	10
9	4	1	12
5	11	8	3

$\times 5 =$
$\times 10 =$

NB: if you want to make the work more challenging then try to find all of the multiples of 5 and 10. Can you put them in order? Have you noticed any patterns?

Activity 3 – dividing by 2 and 3

Use the grid below to help you compose some division number sentences. Use your counting patterns and fingers to help you divide. Do as many as you can in 30 minutes.

4	10	22	6	$\div 2 =$
20	18	2	12	
16	8	14	24	

21	3	12	36	$\div 3 =$
33	15	24	30	
9	27	18	6	

NB: if you want to make the work more challenging then see if you can make any links with multiplying by 2 and 3. Are there any patterns or similarities? Discuss this with the adults at home.

Activity 4 – dividing by 5 and 10

Use the grid below to help you compose some division number sentences. Use your counting patterns and fingers to help you divide. Do as many as you can in 30 minutes.

25	40	55	20	$\div 5 =$
35	5	15	30	
10	50	45	60	

70	50	30	20	$\div 10 =$
60	90	120	80	
10	110	40	100	

NB: if you want to make the work more challenging then see if you can make any links with multiplying by 5 and 10. Are there any patterns or similarities? Discuss this with the adults at home.

Activity 5 – investigations

Ones and twos

Holly has six numbers, three 1s and three 2s.
She also has lots of + signs, x signs and = signs.

1 2 1 2 1 2

She is trying to make the biggest number possible.
Here are some she tried.

First try

$$1 \times 2 = 2$$

$$1 \times 2 = 2$$

$$1 \times 2 = 2$$

$$2 + 2 + 2 = 6$$

Second try

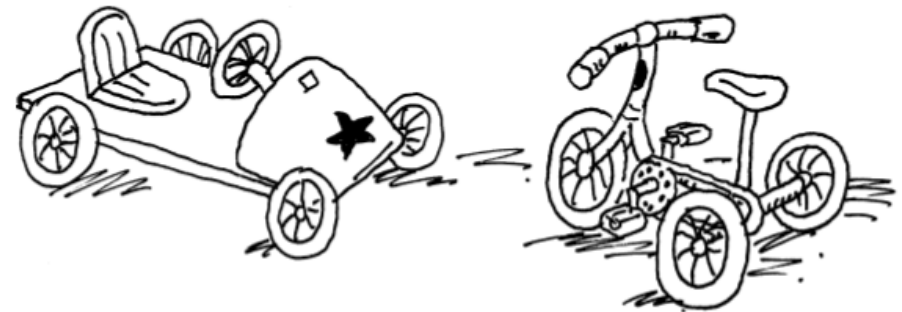
$$1 + 2 + 1 + 2 + 1 + 2 = 9$$

Can you beat Holly's score?

What if Holly had three 2s and three 3s?

At the toy shop

The toy shop stocks tricycles and go-carts.
The tricycles have 3 wheels.
The go-carts have 5 wheels.



Suna counted the wheels.
He counted 37 altogether.

How many tricycles are there?
How many go-carts?

Find two ways to do it.