

WELCOME

to today's Maths lesson

20.01.21

Multiply by 8



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Multiply by 8



Good morning, Year 3.

In today's Maths lesson, we are going to be continuing with Multiplication and Division and looking at **multiplying by 8**.

Please watch the following videos and then work through the slides and activities:

<https://vimeo.com/480761211>

If you have any questions or would like to send in any work, please email it to:

yearthree@st-jo-st.dudley.sch.uk

Well done everyone, you are all superstars ☺

Love

Miss Robertson xxxx



Starter activities:

Task 1:

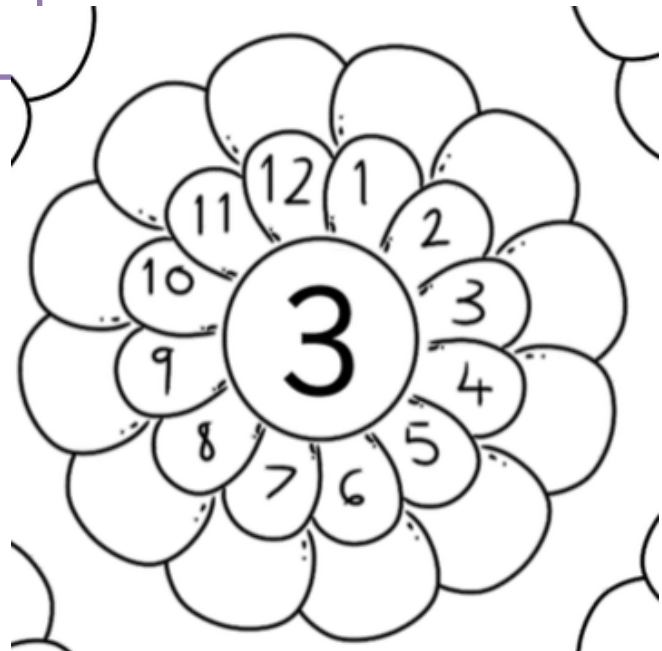
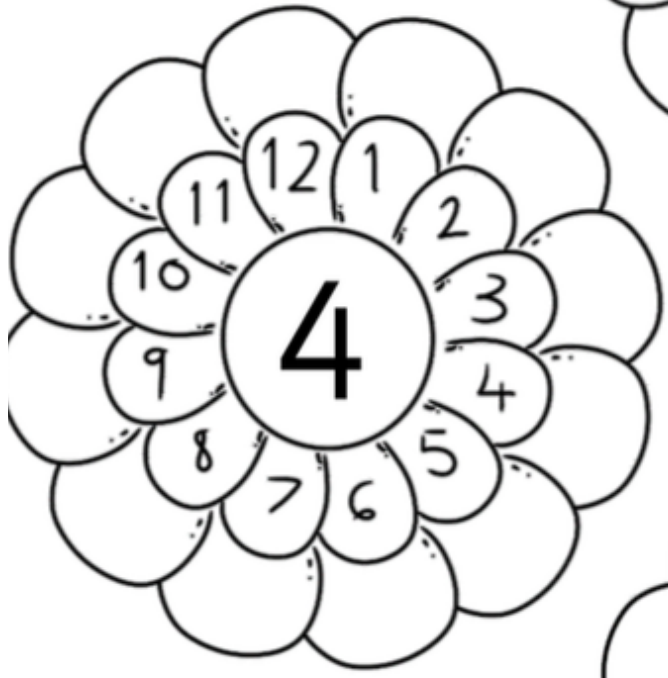
Today's Tough Ten	
1	$6 + 8 + 5 =$
2	$= 3 \times 10$
3	$35 \div 5 =$
4	$16 \div 2 =$
5	$= 93 - 30$
6	$\frac{1}{2}$ of 18 =
7	$= 8 \times 10$
8	$= 51 - 14$
9	$= 43 + 23$
10	$= 5 \times 6$

Task 2:

	3	4	7			3	1	1			6	8	2			6	6	8
-	1	2	9		-	1	0	5		-	2	1	6		-	2	4	9
	3	8	2			6	3	5			2	2	6			7	6	1
-	1	5	7		-	2	1	9		-	1	1	8		-	4	2	3

Remember, in these questions you will need to exchange 1 ten for ten ones

Times table practise:



Remember, you can also logon to TTRS to practise too :D

Challenge: Can you create your own multiplication flower for another times table? Look at the example to help you 😊



In the next few lessons, we will be looking at the 8 times table.

Here are some useful links/ games/ videos to help you:

- **8 times table song**

<https://www.youtube.com/watch?v=kN3RG5iLKpo>

- **8 times table super movers**

<https://www.bbc.co.uk/teach/supermovers/ks2-maths-the-8-times-table-with-filbert-fox/z4mrhbk>

- **Hit the button**

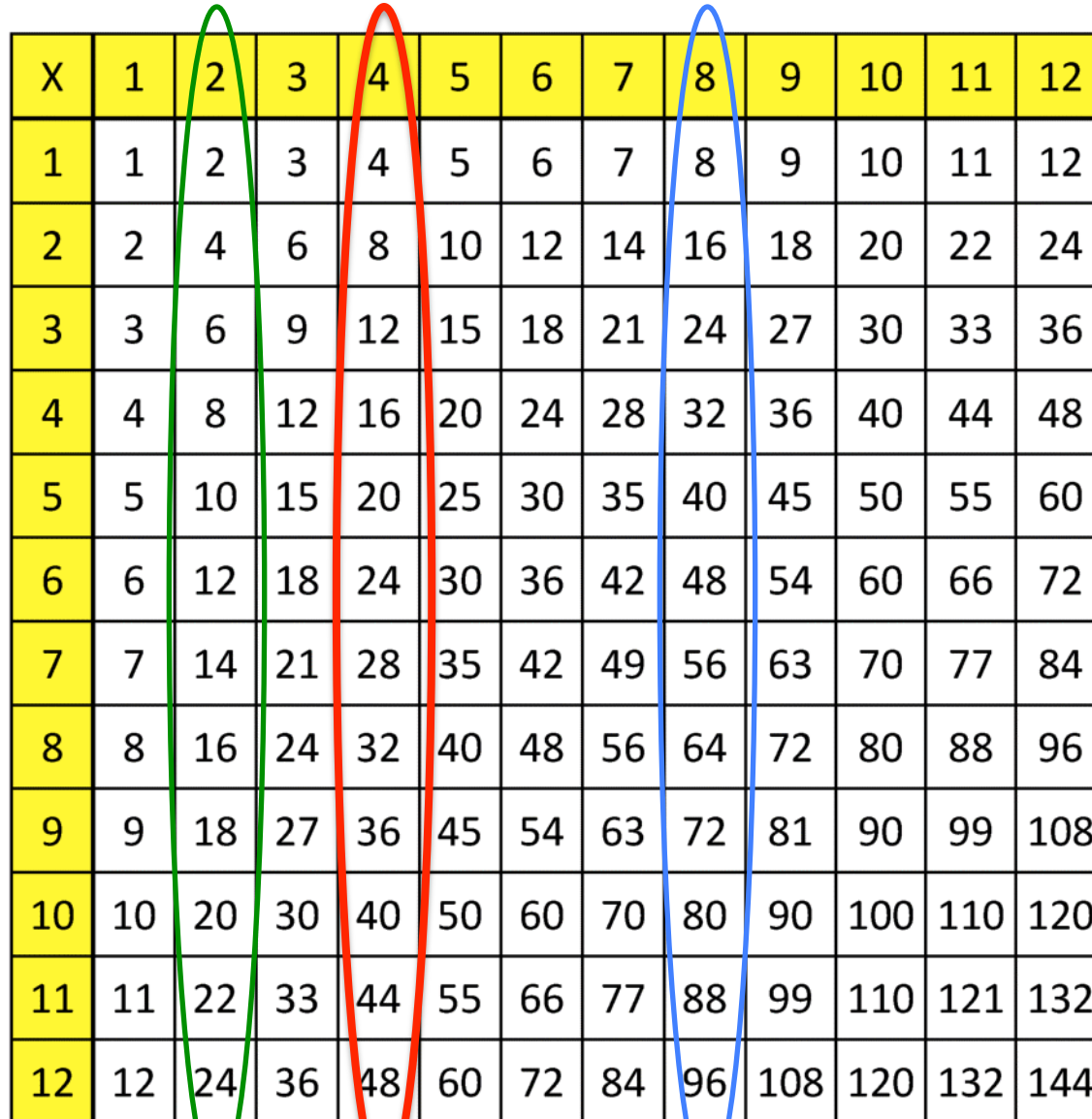
<https://www.topmarks.co.uk/maths-games/hit-the-button>



Multiplication grid

Use this to help you if you need to 😊

Remember, the 4 times table is double the 2 times table and the 8 times table is double the 4 times table.



X	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Multiply by 8

NOW IT'S YOUR TURN.

1 Complete the sentences.



There are bags of apples.

There are apples in each bag.

There are apples in total.

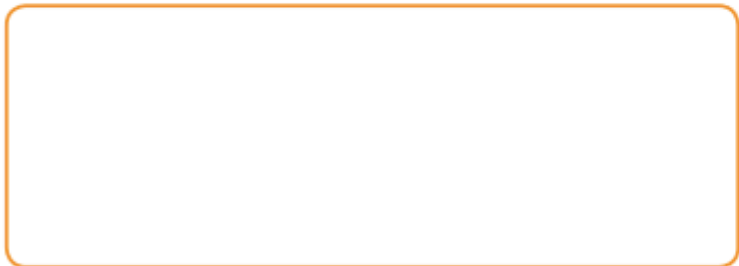


There are octopuses.

There are arms on each octopus.

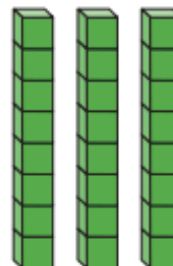
There are arms in total.

2 Use counters to represent 2×8
Draw your representation.



3 Work out how many cubes there are in total.
Complete the multiplication sentences.

a)



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

b)



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

What is the same about your answers? What is different?

What *fact families* can you make from these arrays?



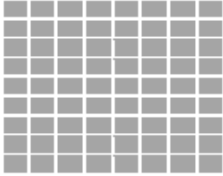
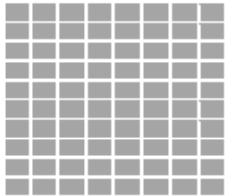
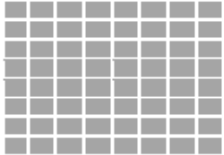
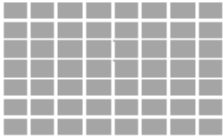
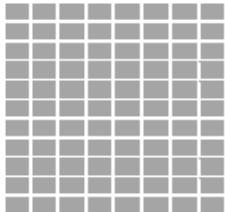


Example:

$$8 \times 4 = 32$$

$$4 \times 8 = 32$$

$$32 \div 8 = 4$$

$$32 \div 4 = 8$$

Deepen it:



Whitney has 10 packets of seeds.



a) How many seeds does Whitney have in total?

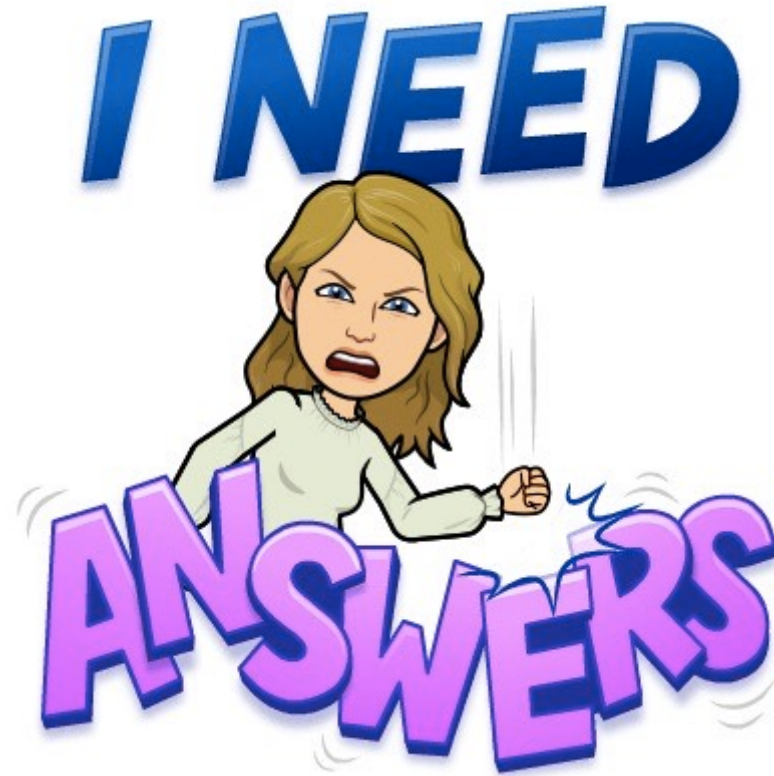
b) Ron has 4 fewer packets than Whitney.
How many seeds does he have?

How many dots are there in total?



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

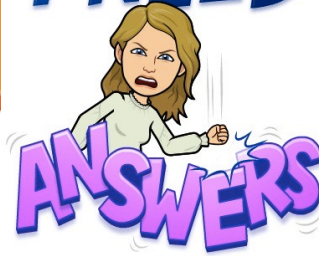
How many different ways can you work this out?



**Answers are coming up on the next slide.
No peeking until you have completed the
questions 😊**

Multiply by 8

I NEED



1 Complete the sentences.



There are bags of apples.

There are apples in each bag.

There are apples in total.



There are octopuses.

There are arms on each octopus.

There are arms in total.

2 Use counters to represent 2×8

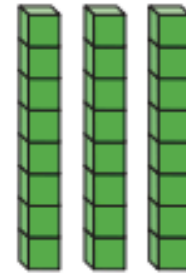
Draw your representation.



3 Work out how many cubes there are in total.

Complete the multiplication sentences.

a)



$$\boxed{3} \times \boxed{8} = \boxed{24}$$

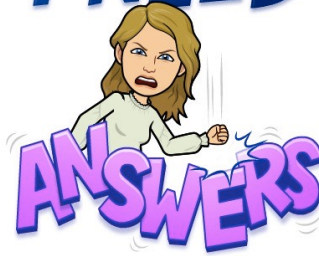
b)



$$\boxed{8} \times \boxed{3} = \boxed{24}$$

What is the same about your answers? What is different?

I NEED



Whitney has 10 packets of seeds.



a) How many seeds does Whitney have in total?

$$8 \times 10 = 80$$

80

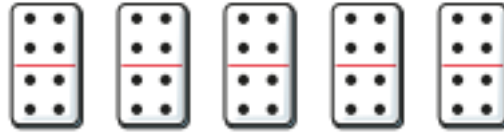
b) Ron has 4 fewer packets than Whitney.
How many seeds does he have?

$$4 \times 8 = 32$$

$$80 - 32 = 48$$

48

How many dots are there in total?



$$5 \times 8 = 40$$

How many different ways can you work this out?

e.g. $8 + 8 + 8 + 8 + 8 = 40$

$10 \times 4 = 40$

Thank you for working so hard.

Please send in any photos of your work or any questions you have to yearthree@st-jo-st.dudley.sch.uk

It is always a pleasure to see all of your work.

