

Welcome to Year 6 Maths

The lesson will begin at 11:30am



Turn your camera and microphone **off** please

12/01/21

Maths Arithmetic

I can use different **strategies** to solve mathematical problems

Arithmetic

Be prepared to explain your answers

1

$$\boxed{} - 10 = 392$$

1 mark

2

$$240 \div 3 =$$

1 mark

3

$$2,400 \div 4 =$$

1 mark

4

$$10 - 5.4 =$$

1 mark

13/01/21

Multiply by 10, 100, 1000 **RECAP**

7.04 x = 704

Option 1 = 10

Option 2 = 100

Option 3 = 1000

13/01/21

Multiply by 10, 100, 1000 **RECAP**

$0.04 \times \boxed{} = 0.4$

Option 1 = 10

Option 2 = 100

Option 3 = 1000

13/01/21

Multiply by 10, 100, 1000 **RECAP**

5.054 x = 5054

Option 1 = 10

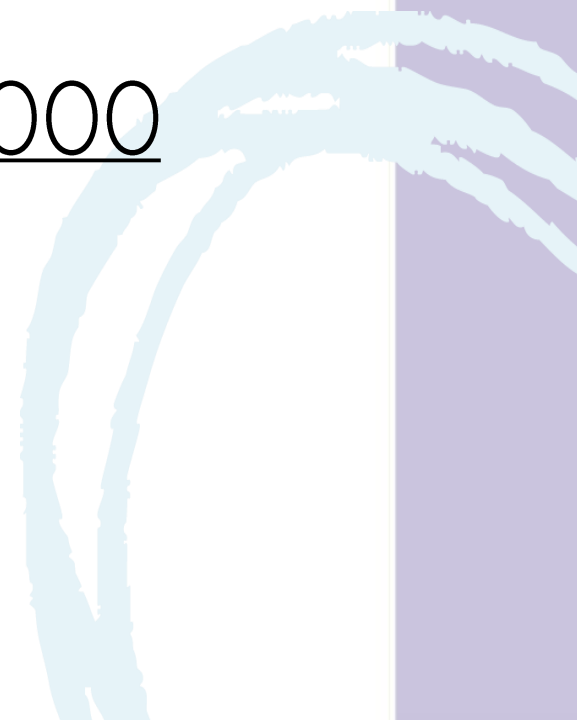
Option 2 = 100

Option 3 = 1000

13/01/21

Maths

I can divide by 10, 100 and 1000



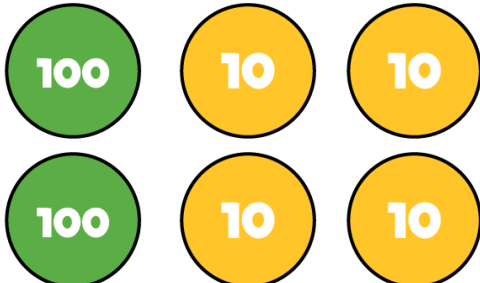
GET READY



1) $42,000 \div 10 =$

$42,000 \div 100 =$

$42,000 \div 1,000 =$

2)  $\div 10 =$

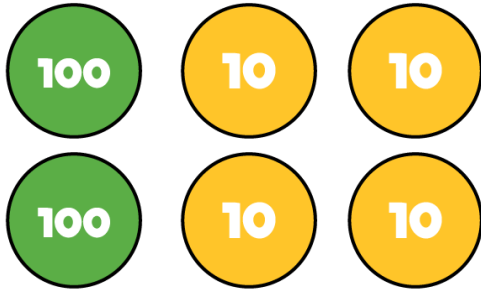
3)

80									
					?				

1) $42,000 \div 10 = 4,200$

$42,000 \div 100 = 420$

$42,000 \div 1,000 = 42$

2)  $\div 10 = 24$

240

3)

80									
					8				

LET'S LEARN

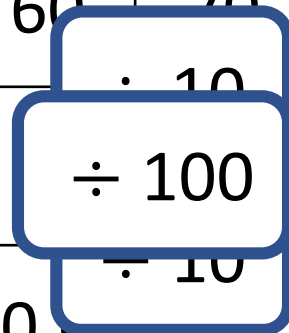


100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1 $\times 10$	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

$$0.3 \times 10 = 3$$

$$3 \div 10 = 0.3$$

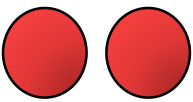
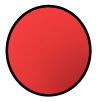


100	200	300	400	500	600	700	800	900
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0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09



$$80 \div 10 \div 10 = 0.8$$

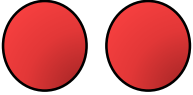



$$80 \div 100 = 0.8$$

$$210 \div 10 = 21$$

Th	H	T	O	•	tth	hth
						
	2	1	0			

When the number is divided by 10 the counters move
1 place to the right.

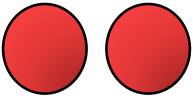



$$210 \div 100 = 2.1$$

Th	H	T	O	•	tth	hth
						
	2	1	0			

When the number is divided by 100 the counters move
2 places to the right.

$$210 \div 1,000 = 0.21 \quad \text{Have a think}$$



Th	H	T	O	•	tth	hth
						
	2	1	0			

When the number is divided by 1,000 the counters move
3 places to the right.

YOUR TURN

Have a go at questions
1 - 3 on the worksheet



Use $>$, $<$ or $=$ to complete the sentences

$$15.62 \div 10 \div 10 \div 10 \quad = \quad 15.62 \div 1,000$$

$15.62 \div 1,000$

$$81 \div 100 \quad > \quad 81 \div 100 \div 10$$

$81 \div 1,000$

$$4.6 \div 10 \quad = \quad 46 \div 100$$

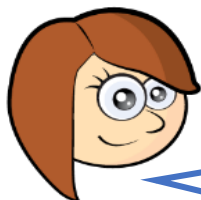
0.46

Have a think



$$\square \div 20 = 2.04$$

Have a think



Rosie

We could use the inverse and do
 2.04×20



Amir

That's a great idea Rosie! We could do
 $2.04 \times 2 \times 10$



Dora

Let's use a Gattegno chart to help us!

$$\boxed{} \div 20 = 2.04$$

100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09

$$2.04 \times 2 \times 10 = 40.8$$

YOUR TURN

Have a go the rest of the
questions on the
worksheet

