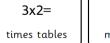
Multiplication and Division KO























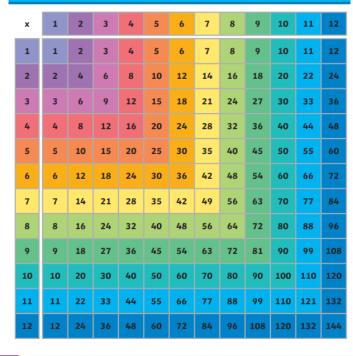








Multiplication and Division Facts



multiplication

- · multiplied by · lots of
- · multiple of times
- multiply · repeated addition
- · groups of · array
- product

- What is... lots of ...?
- What is the product of... and...?
- What is... times...?
- What is... group of ... ?
- What is... multiplied by...?

division

- · divided by · equal groups of

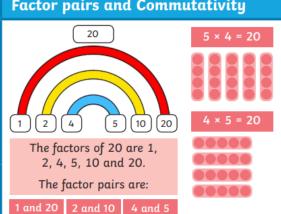
- · share equally
- divided into
- share

What is... shared by...?

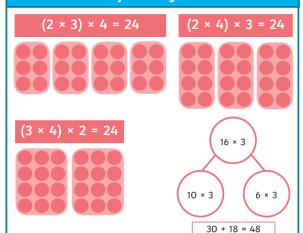
What is... divided by...?

How many groups of... are in...?

Factor pairs and Commutativity



Mental Calculations for Solving Problems



Multiplying by 10 and 100

 $25 \times 10 = ?$

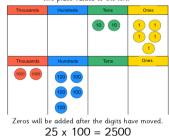
If you multiply a number by 10, the digits move one place value to the left.



Zeros will be added after the digits have moved. $25 \times 10 = 250$

Use place value to work out how to multiply by 10. Use place value to work out how to multiply by 100. $25 \times 100 = ?$

If you multiply a number by 100, the digits move two place values to the left.



Dividing by 10 and 100

Use place value to work out how to divide by 10. $2500 \div 10 = ?$

If you divide a number by 10, the digits move one place value to the right.



Zeros will be added after the digits have moved.

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Use place value to work out how to divide by 100. $2500 \div 100 = ?$

If you divide a number by 100, the digits move two place value to the right.



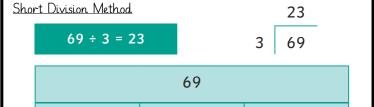
 $2500 \div 10 = 250$ $2500 \div 100 = 25$

Multiply Using Formal Written Methods

Th	Н	Т	0		Th	Н	Т	0
	5	4	3			5	/.	3
×			4			5	4	3
		1	2	(4 × 3)	×			4
	1	6	0	(4×40)	2	1	7	2
2	0	0	0	(4 × 500)				
2				(1	1	
	1	7	2					

Remember to move any regrouped numbers into the next column. After the next multiplication, add the regrouped number to the answer.

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