

What have I previously learned?

- Recall multiplication and division facts for multiplication tables up to 12×12
- Recognise and use factor pairs and commutativity in mental calculations.
- Multiply two-digit and three-digit numbers by a one-digit number
- Solve problems involving multiplying and adding

Vocabulary - Goldilocks words

Word	Definition
Altogether	Number less than zero.
Difference	A way of splitting numbers into smaller parts to make them easier to work with.
Estimate	The single numbers used to represent values in math.
Complex	A range of numbers between two given numbers and includes all of the real numbers between those two numbers.
Inverse operation	Set of numbers that follow a pattern or rule.
Minus	Goes from one term to the next by always adding (or subtracting) the same value.

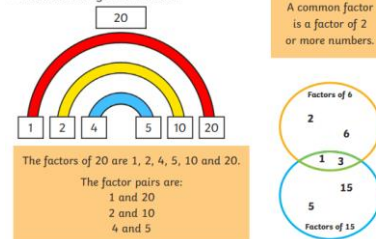
Useful links

<https://vimeo.com/729928026>
<https://vimeo.com/729929058>
<https://vimeo.com/729929837>
<https://vimeo.com/729930429>
<https://vimeo.com/729930941>
<https://vimeo.com/729931289>

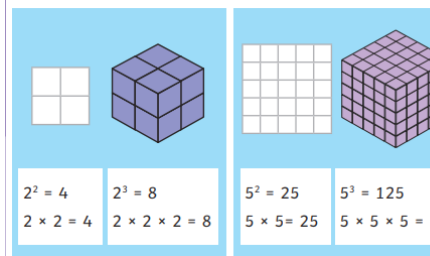
Prompts to help me in my learning

Factors

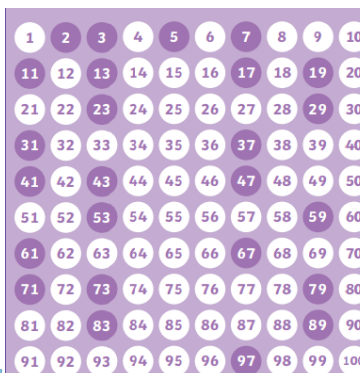
A factor is a number that divides into another number exactly, without leaving a remainder.



Squared and Cubed Numbers



Prime Numbers



Short Multiplication

$$2543 \times 7 = 17801$$

	2	5	4	3	
×				7	
	1	7	8	0	1
	1	3	3	2	

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

Long Multiplication

$$2543 \times 67 = 170381$$

		2	5	4	3
	x			6	7
	1 1	7 3	8 3	0 2	1
1	5	2	5	8	6
1	7	0	3	8	1

Before multiplying by the number in the tens column, remember to use zero as a placeholder because the 6 in 67 is 6 tens (60).

Short Division

		3	
4	1	5	2

$15 \div 4 = 3$ remainder 3
Remember to regroup any remainders and move them into the next column.

	4	5	5	3
5	2	2	7	8

$28 \div 5 = 5$ remainder 3
If your calculation has a remainder, remember to record it in the answer using the letter r.

Division

$$136 \div 4 = 34$$

		3	4
4	1	3	6
-	1	2	0
		1	6
	-	1	6
			0