

USING THESE SLIDES.

Recall- 5 min activity to recall children's knowledge

Guided practice- work through together, teaching the new skills.

Intelligent practice- 10 minute independent fluency activity.

Dive deeper- These activities should take the longest. Children should think deeper and reason their answers. E.g. This is the answer because...
They may also prove their answer using a drawing, diagram etc.

RECALL

1) If $5 + 4 = 9$, then $4 + 5 =$

2) $13 + 7$ and $12 + 8$ are bonds to ?

3) How do you spell the number 7?

4) If $5 + 3 = 8$, then $15 + 3 =$

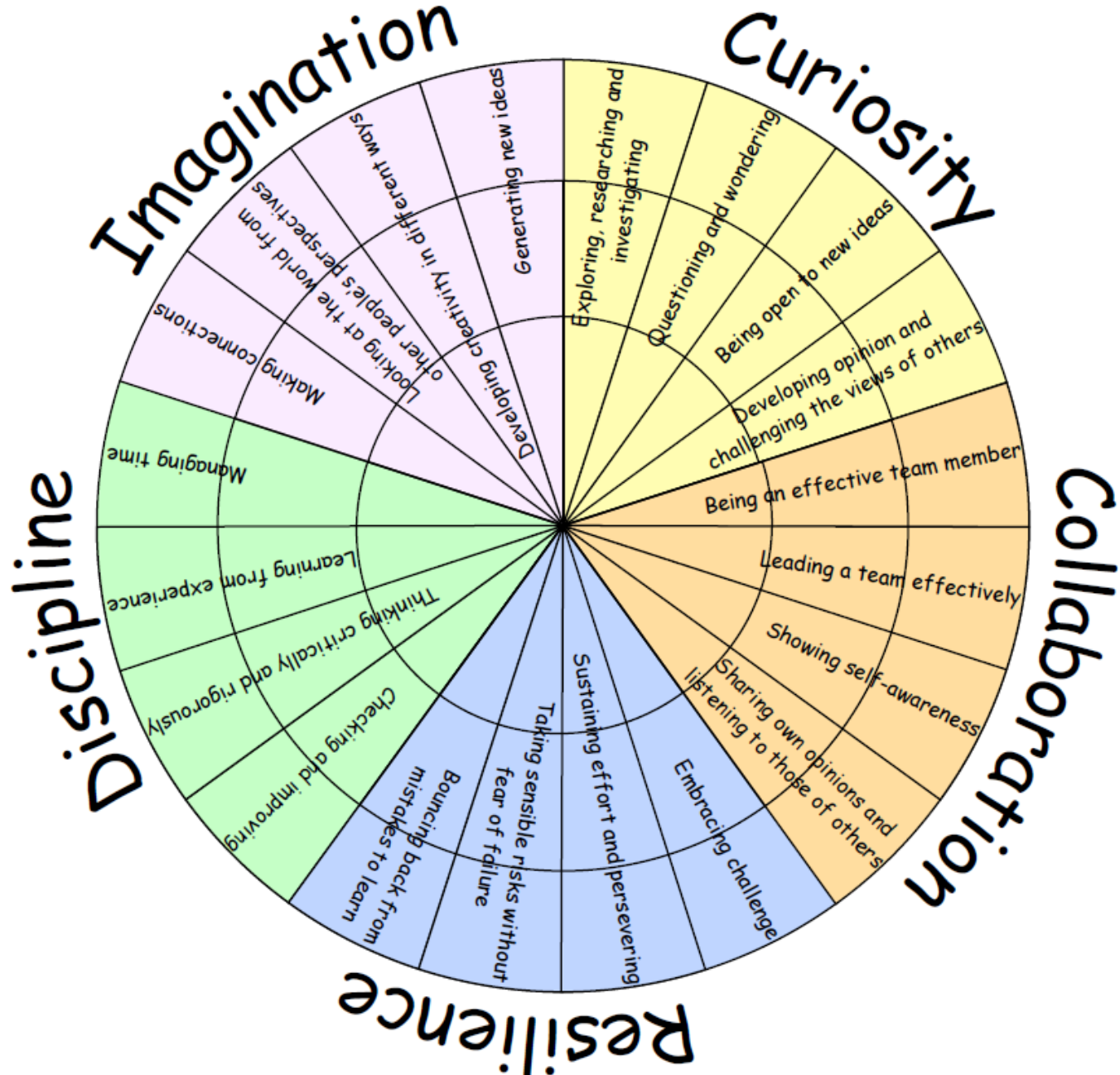


I CAN FIND RELATED FACTS

ADDITION AND SUBTRACTION TO 20

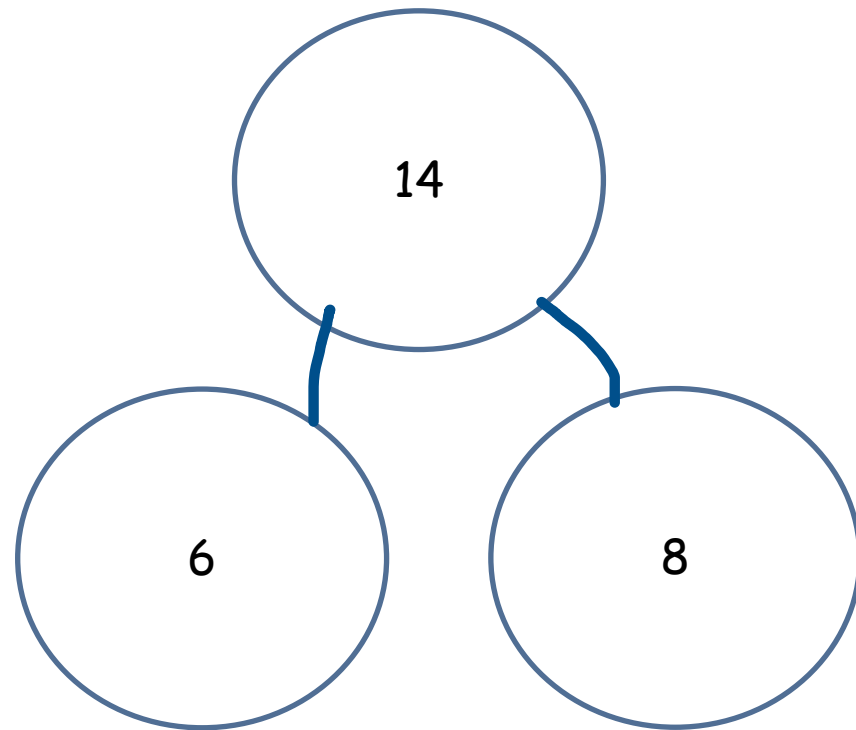


LEARNING HABITS?



Guided Practice:

What do you know about a part-part- whole model ?

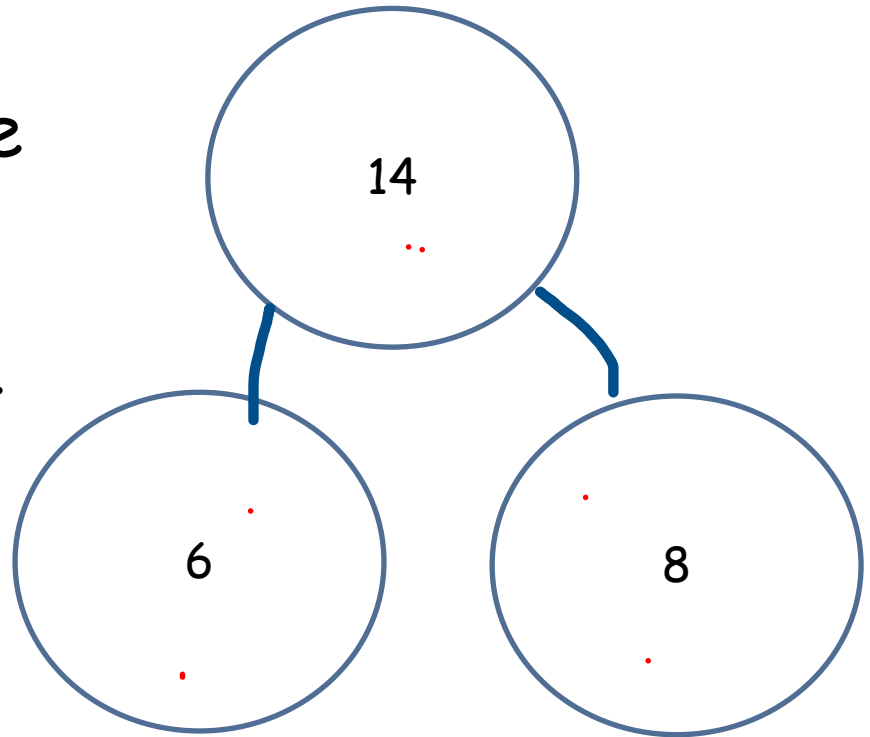


Guided Practice:

What do you know about a part-part- whole model ?

A Part + A part = A whole

A whole - a part = A part



$$6 + 8 = 14$$

$$14 - 6 = 8$$



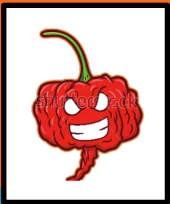
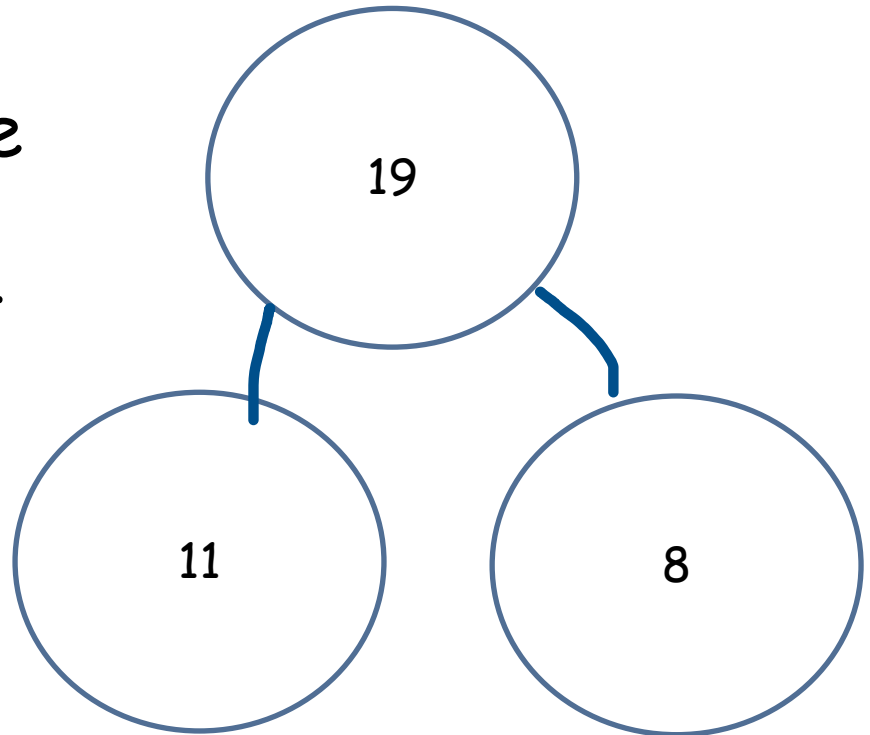
Guided Practice:

What related facts do we know from this part whole?

Remember:

A Part + A part = A whole

A whole - a part = A part



Can you switch the parts around and make 4 related facts?



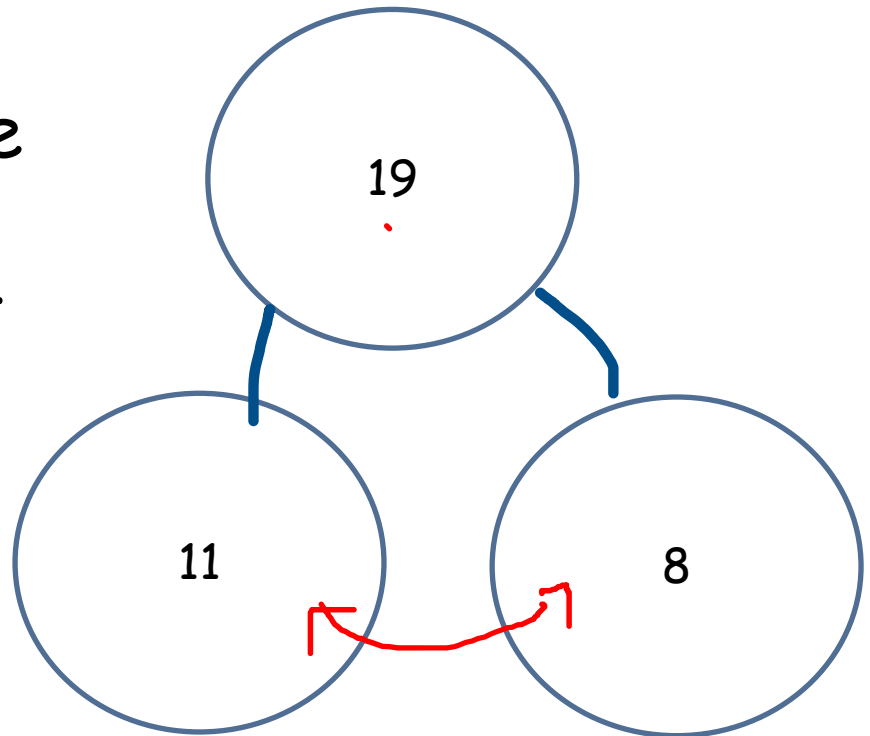
Guided Practice:

What related facts do we know from this part whole?

Remember:

A Part + A part = A whole

A whole - a part = A part



$$11 + 8 = 19$$

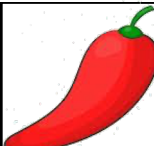
$$8 + 11 = 19$$

$$19 - 11 = 8$$

$$19 - 8 = 11$$



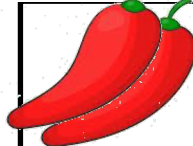
INTELLIGENT PRACTICE



11
6 5

___ + ___ = 11


11 - ___ = ___



19
18 1

___ + ___ = ___

___ - ___ = ___



15
9 6

___ + ___ = ___

___ + ___ = ___

___ - ___ = ___

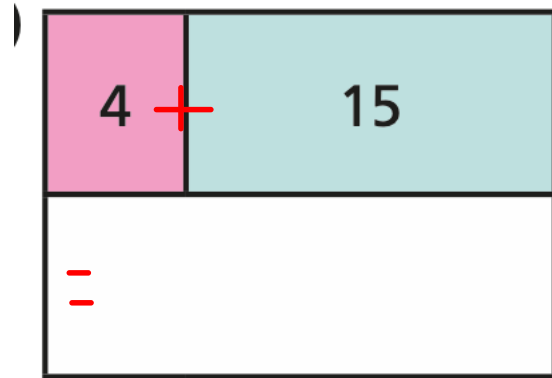
___ - ___ = ___

Remember:
A Part + A part = A whole
A whole - a part = A part



DIVE DEEPER 1:

Finish the bar model by finding the whole and then writing the related facts calculations



$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} - \underline{\quad} = \underline{\quad}$$



DIVE DEEPER 2

Related facts

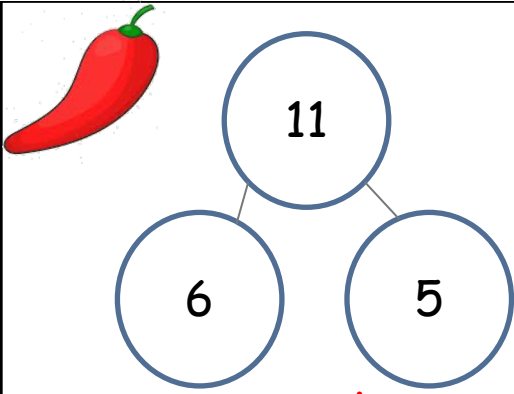


Complete the table.

Problem	Calculation	Picture	
There are 7 girls and 9 boys. How many altogether?	$\begin{array}{r} 7 + 9 = 16 \\ - \quad - \end{array}$	<p>A bar model with a blue top section and a bottom section divided into a yellow part (7) and a green part (9). The total length is labeled with a question mark and the number 16.</p>	Addition
	$9 + 7 = 16$		Addition
		<p>A ten-frame with 10 circles. The top two rows are filled with blue circles. The bottom row has one blue circle in the first column, and the rest are empty.</p>	Subtraction

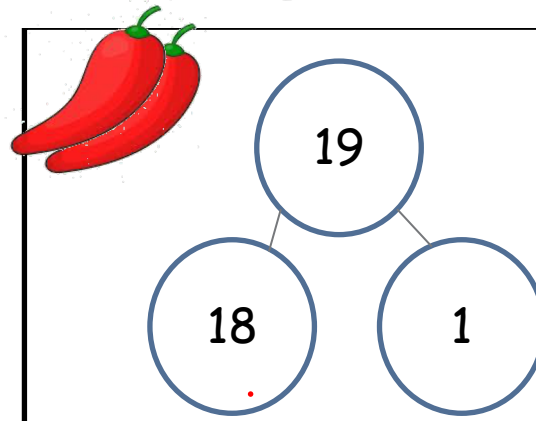


INTELLIGENT PRACTICE



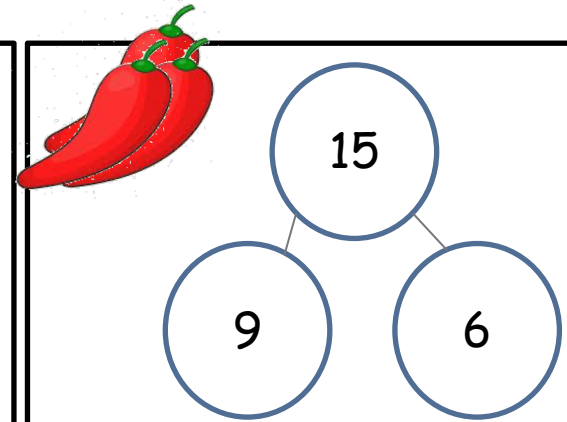
$$\underline{6} + \underline{5} = \underline{11}$$

$$\underline{11} - \underline{6} = \underline{5}$$



$$\underline{18} + \underline{1} = \underline{19}$$

$$\underline{19} - \underline{18} = \underline{1}$$



$$\underline{9} + \underline{6} = \underline{15}$$

$$\underline{6} + \underline{9} = \underline{15}$$

$$\underline{15} - \underline{9} = \underline{6}$$

$$\underline{15} - \underline{6} = \underline{9}$$

Remember:

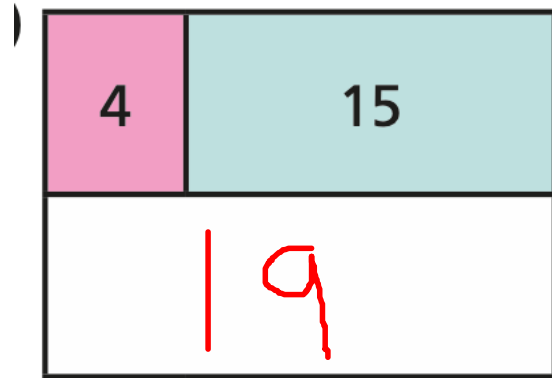
A Part + A part = A whole

A whole - a part = A part



DIVE DEEPER 1:

Finish the bar model by finding the whole and then writing the related facts calculations



$$\underline{4} + \underline{15} = \underline{19}$$

$$\underline{15} + \underline{4} = \underline{19}$$

$$\underline{19} - \underline{4} = \underline{15}$$

$$\underline{19} - \underline{15} = \underline{4}$$



SELF-ASSESSMENT

L.O. To find related facts

22.01.2021

Some will even: Find more than 2 calculations from a part-part whole model.

Some will: Find 2 calculations from a part-part whole model

Most will: understand how a part-part-whole model helps us to find calculations.

All will: know what a part-part whole model is.

