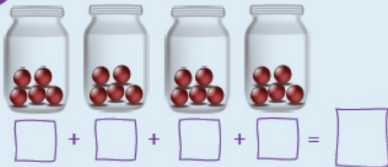


Fluent in Four

Warm up

7/1/2021

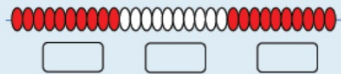
1



There are _____ groups of _____ marbles, which is equivalent to _____.

2

How many beads altogether?



I have two of these.

3

Complete the stem sentences.



At first there were _____ frogs.

Then _____ jumped off.

Now there are _____ frogs on the lily pad.

4

Calculate. Write the answer as a word.

one add one =

seven add one =

Can you answer the questions above?

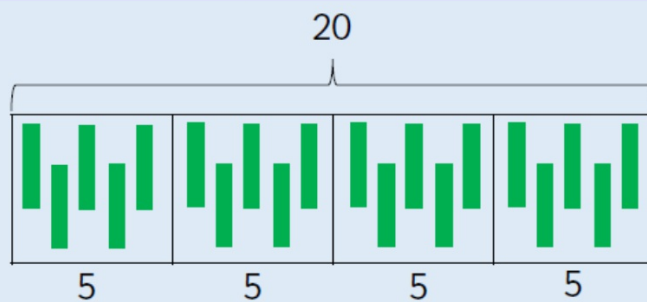
Thursday 7th January 2021 7/1/21

Make Equal Groups – Sharing 2



7/1/2021 WALT - To make equal groups by sharing

Zach draws this bar model to divide 20 into 4 equal groups.
How does his model represent this? He writes $20 \div 4 = 5$



What other number sentences could
Zach create using this model?

$$20 \div 4 = 5$$

$$\div =$$

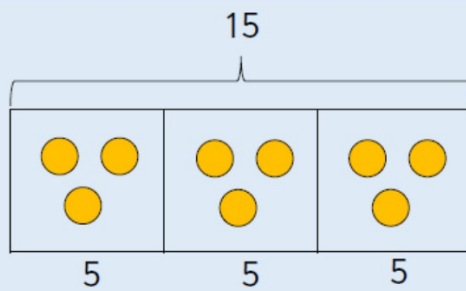
$$\times =$$

$$\times =$$

How do you know that you have shared the object equally?

7/1/2021 WALT - To make equal groups by sharing

Esin draws this bar model to divide 15 into 3 equal groups.
How does her model represent this? She writes $15 \div 3 = 5$



What other number sentences could
Esin create using this model?

$$15 \div 3 = 5$$

$$\div =$$

$$\times =$$

$$\times =$$

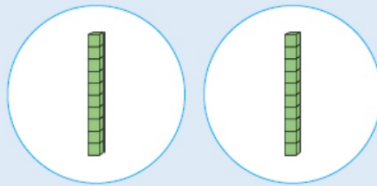
7/1/2021 WALT - To make equal groups by sharing



Malachi

I can work out $20 \div 2$ easily because I know that 20 is the same as 2 tens.

This is what he does:

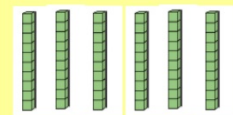
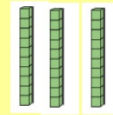


$$20 \div 2 = 10$$

Is it possible to work out $60 \div 3$ in the same way? Prove it.


Is it possible to work out $60 \div 4$?

What is different about this calculation?





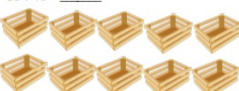

7/1/2021 WALT - To make equal groups by sharing
Independent Work



Bronze



Make Equal Groups - Sharing  Fluency & Precision 2

Solve the calculations using the sharing method.


I share 15 cubes between 3 boxes.
 $15 \div 3 =$  


I share 30 apples between 10 boxes.
 $30 \div 10 =$  


I share 10 cubes between 2 boxes.
 $10 \div 2 =$  


I share 12 apples between 4 boxes.
 $12 \div 4 =$  


Silver

Make Equal Groups - Sharing  Fluency & Precision 2

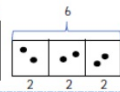
I share 15 cubes between 3 boxes.
 $15 \div 3 =$ 

I share 10 cubes between 2 boxes.
 $10 \div 2 =$ 


I share 30 apples between 10 boxes.
 $30 \div 10 =$ 

I share 12 apples between 4 boxes.
 $12 \div 4 =$ 


The bar model shows 6 divided between 3 equal groups.
 The calculation is: $6 \div 3 = 2$.

What other number sentences can you create from this?


The bar model shows 20 divided between 4 equal groups.
 The calculation is: $20 \div 4 = 5$.

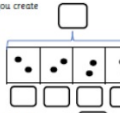
What other number sentences can you create from this?


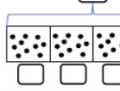
Gold

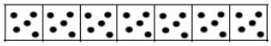
Make Equal Groups - Sharing  Fluency

Write the calculation sentence represented by the sentence and solve it.

I share 24 cubes between 8 boxes. I share 28 cubes between:

What multiplication and division number sentences can you create from the bar model?


What multiplication and division number sentences can you create from the bar model?


Write a multiplication and division word problem for the bar model shown


Multiplication word problem:

Division word problem:

7/1/2021 WALT - To make equal groups by sharing Reasoning and Problem Solving


Bronze

Make Equal Groups - Sharing ☆☆☆ Reasoning & Problem Solving 2

Malachi says,

I can work out $20 \div 2$ easily because I know that 20 is the same as 2 tens.

This is what he does:



$20 \div 2 = 10$

Is it possible to work out $30 \div 3$ in the same way? Prove it.
Is it possible to work out $30 \div 2$?
What is different about this calculation?

reasoningandproblem.co.uk


Silver

Make Equal Groups - Sharing ☆☆☆ Reasoning & Problem Solving 2

Malachi says,

I can work out $40 \div 2$ easily because I know that 40 is the same as 4 tens.

This is what he does:



$40 \div 2 = 20$

Is it possible to work out $60 \div 3$ in the same way? Prove it.
Is it possible to work out $60 \div 4$?
What is different about this calculation?

reasoningandproblem.co.uk


Gold

Make Equal Groups - Sharing ☆☆☆ Reasoning & Problem Solving

Malachi says,

I can work out $40 \div 2$ easily because I know that 40 is the same as 4 tens.

This is what he does:



$40 \div 2 = 20$

Is it possible to work out $100 \div 2$ in the same way? Prove it.
Is it possible to work out $100 \div 4$?
What is different about this calculation?

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