

MULTIPLICATION AND DIVISION – DIVISION WEEK – DAY 3



RECALL

Can you complete the table of doubles?

What is the link between doubling and halving?

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	



TO DIVIDE USING ARRAYS

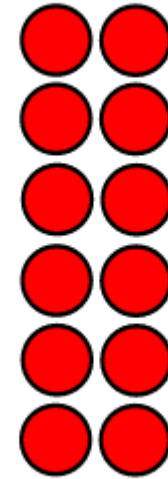
Date Learning ladder ref



GUIDED PRACTICE

Miss Lamb wants to share 12 pieces of chocolate between her 2 girls fairly. How can we record this?

This is called an array. It is an organised way of showing sharing. I have my 2 people at the top and have drawn circles in rows and columns to show 12 shared between 2. How much does each child get?






How do you share fairly? How can you make sure it is fair?

How could we draw this out? Is there a number sentence we could do?



GUIDED PRACTICE

Array	Description - columns	Description - rows	Totals
	5 columns 2 cookies in each column	2 rows 5 cookies in each row	$2 + 2 + 2 + 2 + 2 = 10$ $5 + 5 = 10$
	___ columns ___ donuts in each column	___ rows ___ donuts in each row	
	___ columns ___ fish in each column	___ rows ___ fish in each row	
	3 columns 5 cupcakes in each column	5 rows 3 cupcakes in each row	



INTELLIGENT PRACTICE

Can you draw the arrays for these number sentences?



$$8 \div 2 =$$

$$14 \div 2 =$$

$$18 \div 2 =$$

$$22 \div 2 =$$



$$10 \div 2 =$$

$$16 \div 4 =$$

$$15 \div 5 =$$

$$30 \div 5 =$$



$$15 \div 3 =$$

$$21 \div 3 =$$

$$24 \div 4 =$$

$$18 \div 6 =$$

$$40 \div 8 =$$


Use practical resources and share them out.

Can you show an array for $13 \div 2$? What is the problem with this? How do we show this?



DIVE DEEPER

Teddy and Alex are writing number sentences to describe the array.



Teddy

$$20 \div 4 = 5$$

Alex

$$20 \div 5 = 4$$

Who is right and why?

Draw the groups to check.


Are there any other number sentences you could make from this array?

Does the order matter? Could I do $5 \div 20 = 4$?



DIVE DEEPER - ANSWER

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