

5.1.20

WALT Recall and Use Multiplication Facts for the
6 $\times$ Table

F

R

PS

Vocabulary

concrete apparatus

array

pictorial representation

equal

groups of

lots of

times table

total

altogether

number sentence

multiply

multiplication

multiples

odd

even

double

division

inverse

Concrete Apparatus

Complete the sentences to describe the eggs:

There are _____ lots of _____.

There are seven _____.

$7 \times$ _____ = _____

At first, there were _____ eggs.

Then, they were shared into _____ boxes.

Now, there are _____ eggs in each box.

_____ $\div$ _____ = _____



Fact Families

There are 4 number sentences for every fact family.

$$3 \times 6 = 18$$

$$6 \times 3 = 18$$

$$18 \div 6 = 3$$

$$18 \div 3 = 6$$

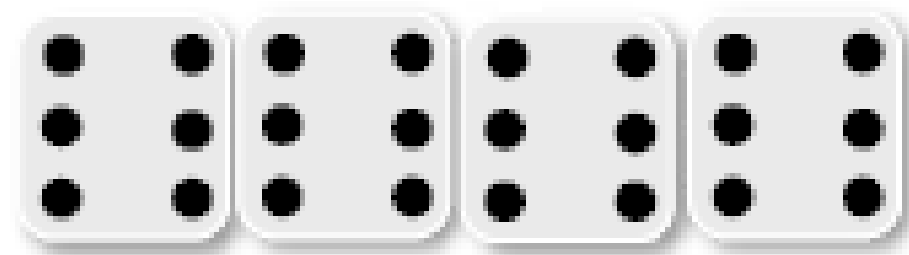


Where is the BIG number in each number sentence?

Fact Families

There are 4 number sentences for every fact family. Can you write them all?

$$\begin{array}{rclcl} \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & \times & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & \div & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \\ \underline{\hspace{2cm}} & \div & \underline{\hspace{2cm}} & = & \underline{\hspace{2cm}} \end{array}$$



Where is the BIG number in each number sentence?

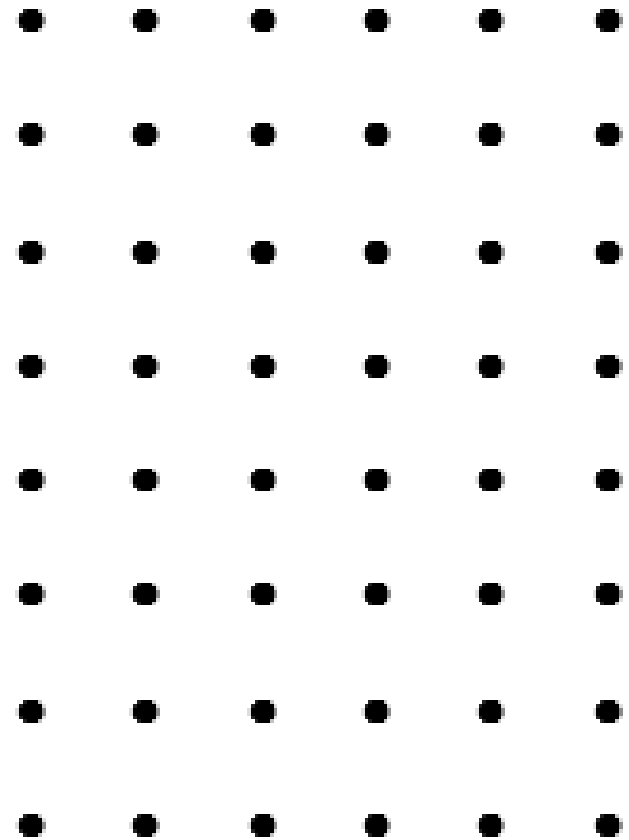
Pictorial Representation

How many equal groups are there?

How many are in each group?

How many are there altogether?

Can you write some number sentences that are shown by this array?



Fluency 1

1. Complete the number track by counting in 6s.

0	6	12										
---	---	----	--	--	--	--	--	--	--	--	--	--

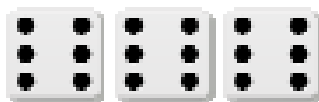
2. Draw the correct line through each 'counting in 6s' number maze.

0	6	12	14	20
5	13	18	23	28
36	30	24	29	70
42	48	54	60	64
46	52	58	66	72

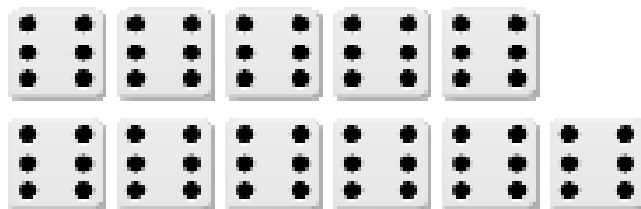
72	68	50	32	22
66	62	44	24	18
60	56	36	30	12
54	48	42	10	6
58	52	16	8	0

3. Write a multiplication number sentence for each picture.

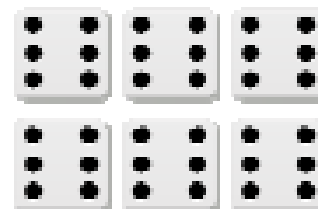
a



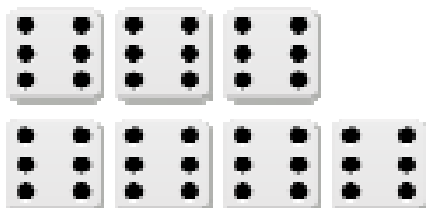
b



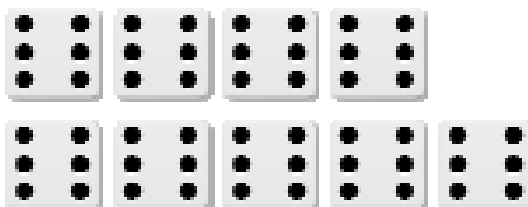
c



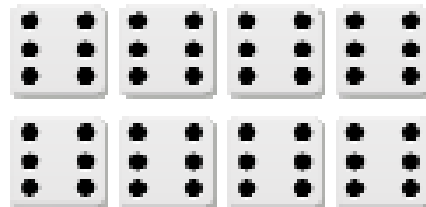
d



e



f



Fluency 2

1		9	∞	6	-			16		6	∞	7	-	
2		6	∞	6	-			17		11	∞	6	-	
3		8	∞	6	-			18		6	∞	5	-	
4		6	∞	2	-			19		3	∞	6	-	
5		10	∞	6	-			20		6	∞	4	-	
6		6	∞	10	-			21		6	∞	6	-	
7		12	∞	6	-			22		6	∞	11	-	
8		6	∞	0	-			23		1	∞	6	-	
9		7	∞	6	-			24		6	∞	9	-	
10		6	∞	3	-			25		0	∞	6	-	
11		2	∞	6	-			26		6	∞	8	-	
12		6	∞	12	-			27		8	∞	6	-	
13		5	∞	6	-			28		6	∞	4	-	
14		6	∞	1	-			29		1	∞	6	-	
15		4	∞	6	-			30		6	∞	11	-	

Reasoning

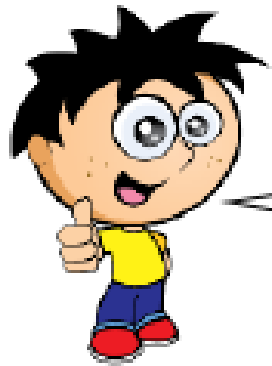
Always, sometimes or never?

When you multiply any whole number by 6, the answer will always be an even number.

Write some number sentences to help you explain that your answer is correct.

Problem Solving

Gary says:



I know that $6 \times 12 = 72$.

So, $12 \div 6 = 72$.

Is Gary correct?

Explain your answer.

Plenary

Review of questions

Practise some questions on Daily 10 for 6x table

<https://www.topmarks.co.uk/maths-games/daily10>