

How are you feeling today?

A purple starburst shape with a brown outline, containing the word 'confused' in white cursive script.

*confused*

A blue starburst shape with a brown outline, containing the word 'sleepy' in white cursive script.

*sleepy*

A red starburst shape with a brown outline, containing the word 'excited' in white cursive script.

*excited*

A green starburst shape with a brown outline, containing the word 'curious' in white cursive script.

*curious*



*"Good Morning Year 3"*

*Thursday 21st January 2021*

Maths  
Week 3

—  
Lesson 4

w

*sharing*

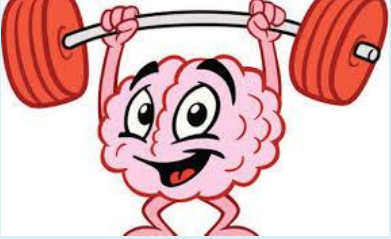
*equal  
groups  
of*

*array*

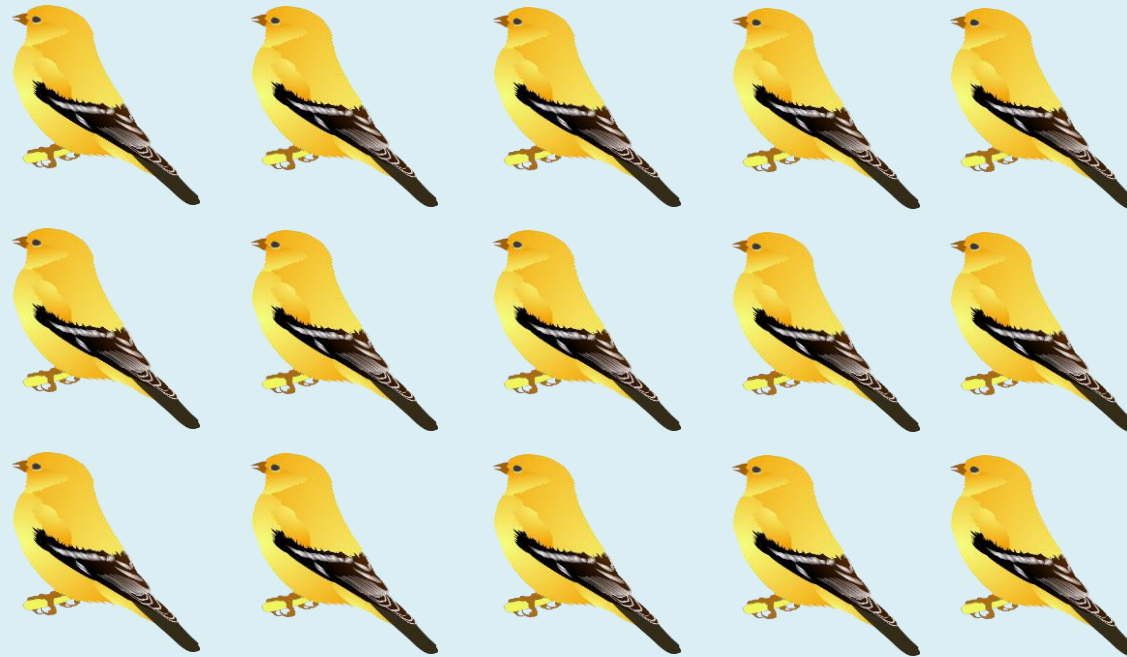
*dividing*

# Maths Star words

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**Starter – Let's warm up our brains**  
**How many groups of 3 can you make?**



There are \_\_\_\_\_ groups of 3 birds.

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

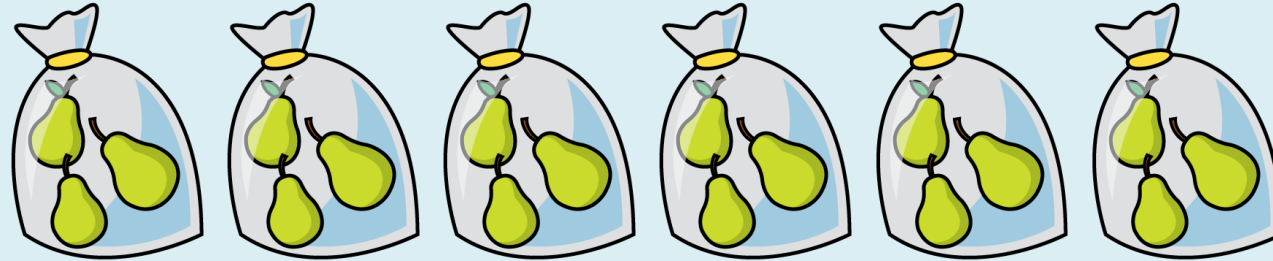


Walt: recall the 3 times table

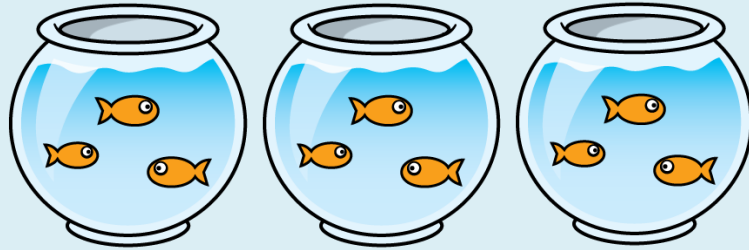
S2S: I can

- multiply by 3
- divide by 3
- recite the 3 times table

1) How many pears?



2) How many fish?



3) Complete the number track.

3	6	9			18		24		30		36
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Let's Learn

**How far can you count forward  
and backwards in 3s.**

**0, 3, 6...**

**36, 33, 30...**



Use your fingers to help you recite  
the 3 times table to 12 x 3.



**1x3 is**

**3**



**2x3 is**

**6**



**3x3 is**

**9**



**4x3 is**

**12**



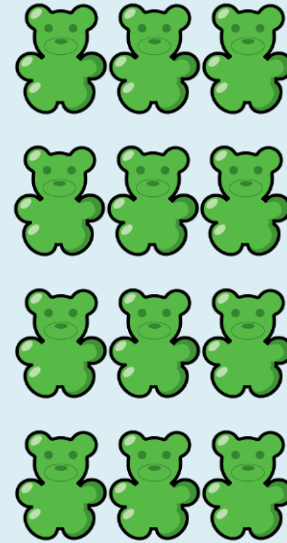
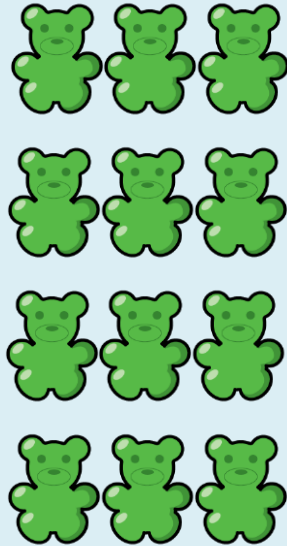
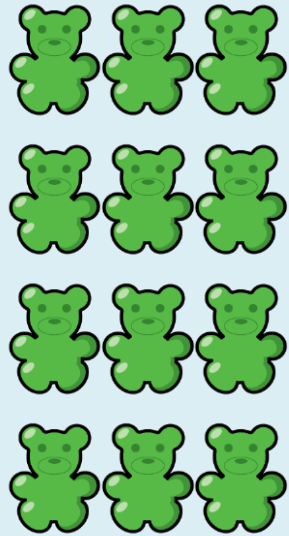
**5x3 is**

**15**



# Guided Practice

3	6	9	12	15	18	21	24	27	30	33	36
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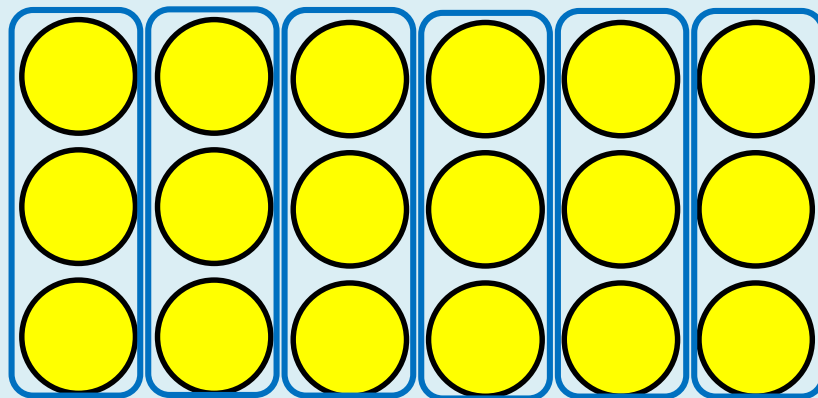
How many groups of 3 teddies?



$$\square \times \square = \square \quad \text{or} \quad \square \times \square = \square$$



$$\square \times \square = \square \quad \text{or} \quad \square \times \square = \square$$



Have a think



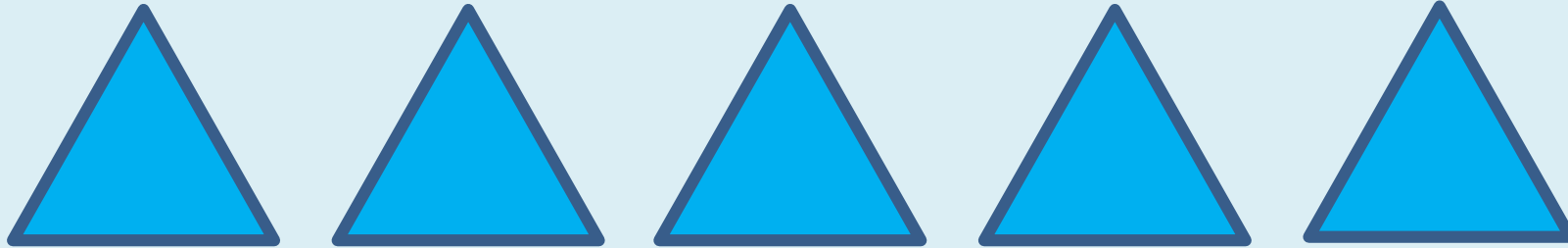
$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \div \square = \square$$

How can we use these triangles to help us  
with the 3 times table?



1 triangle has \_\_\_ sides.

$1 \times 3 =$

2 triangles have \_\_\_ sides.

$2 \times 3 =$

3 triangles have \_\_\_ sides.

$3 \times 3 =$

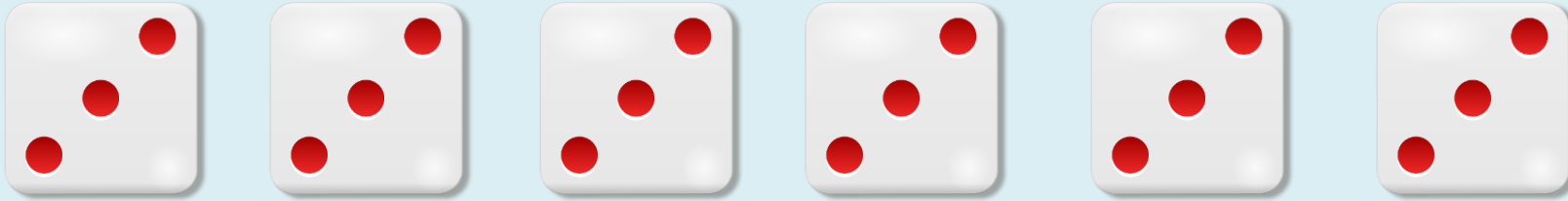
4 triangles have \_\_\_ sides.

$4 \times 3 =$

5 triangles have \_\_\_ sides.

$5 \times 3 =$

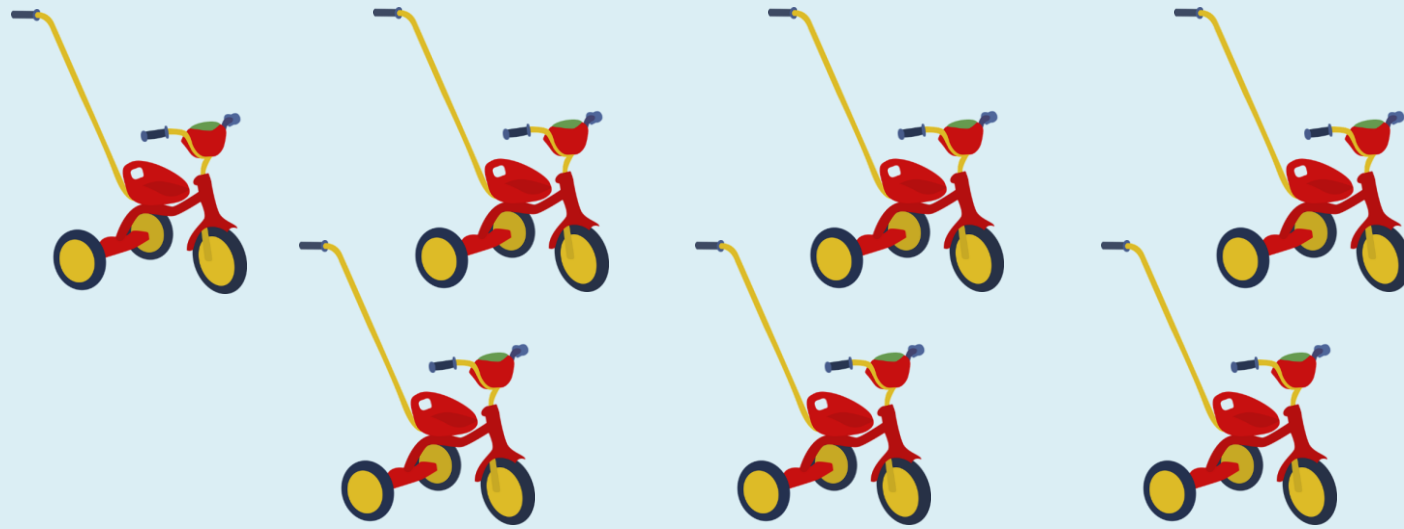
What calculations does the picture show?



$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

# What calculations does the picture show?



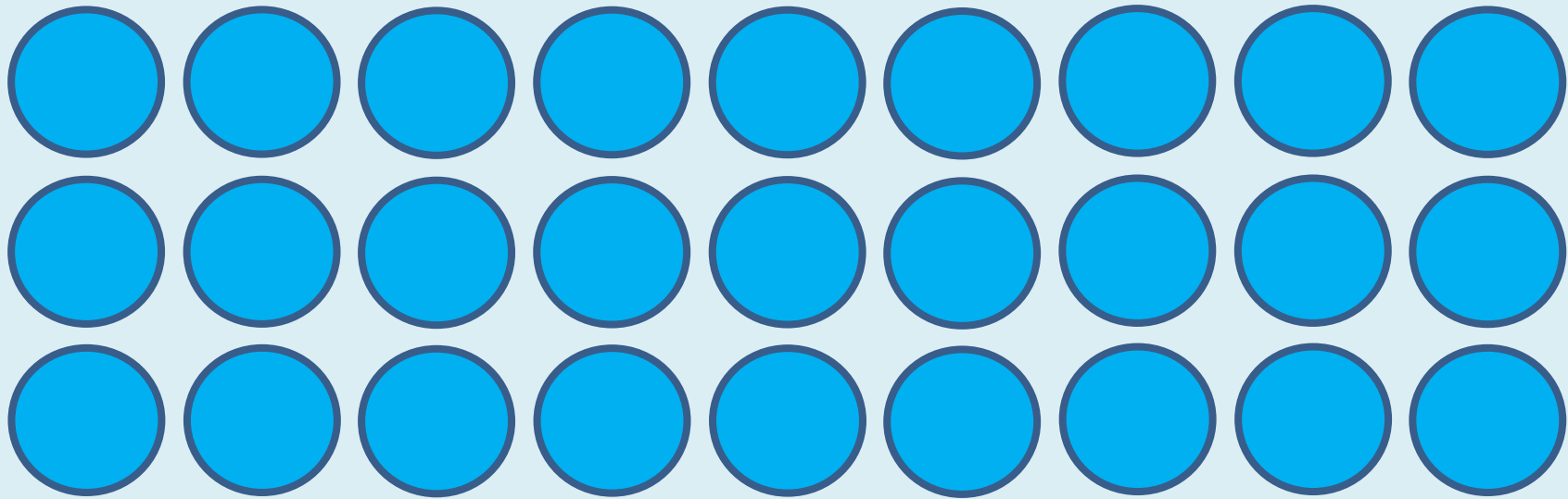
$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Use counters (or objects) to help you solve this calculation.

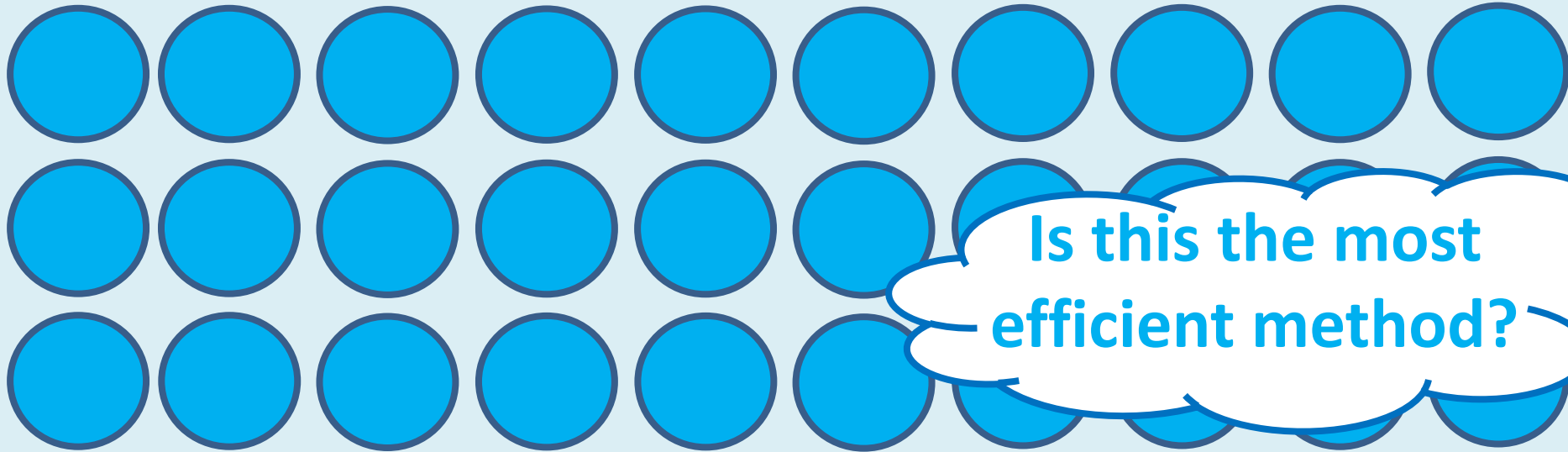
$$9 \times 3 =$$



$$\underline{\quad\quad} \div \underline{\quad\quad} = \underline{\quad\quad}$$

Use counters to help you solve this calculation.

$$10 \times 3 =$$

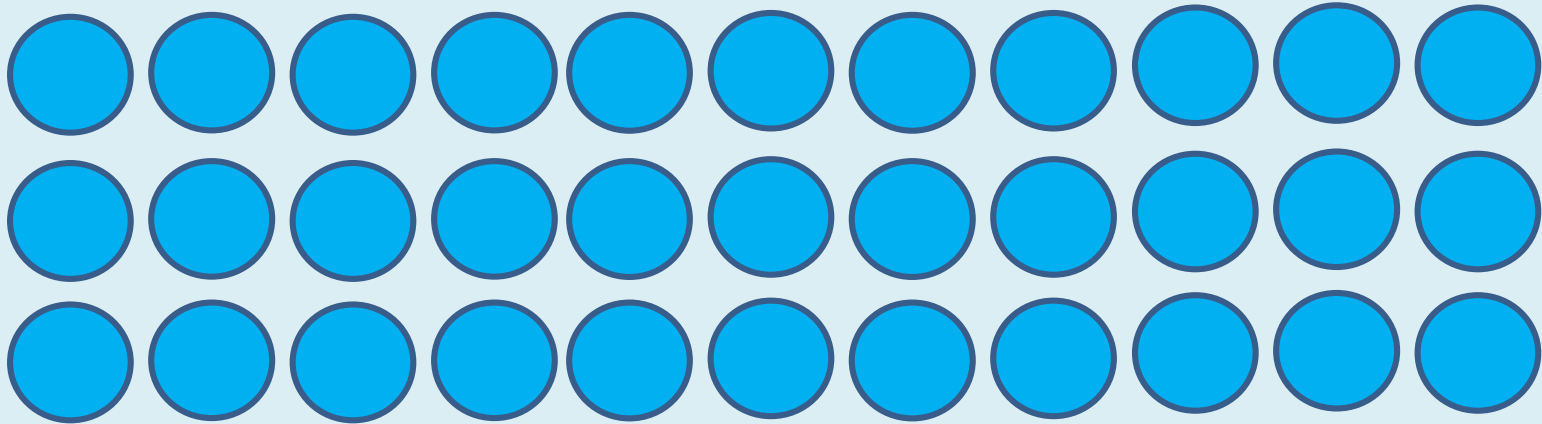


Is this the most efficient method?

$$\underline{\quad\quad} \div \underline{\quad\quad} = \underline{\quad\quad}$$

Use counters to help you solve this calculation.

$$11 \times 3 =$$

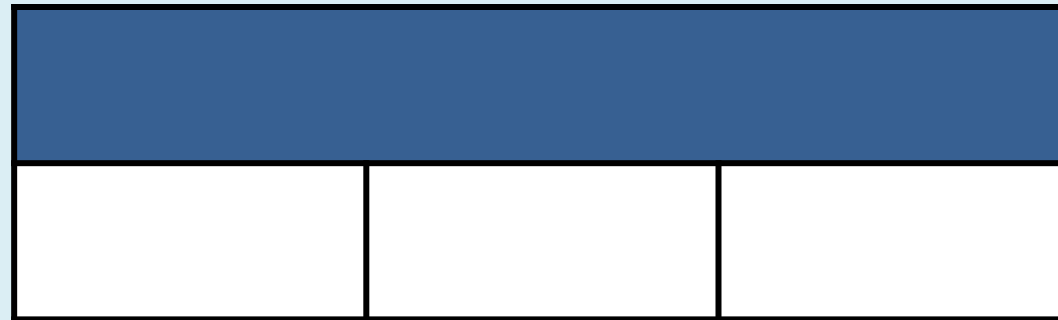


$$\underline{\quad\quad} \div \underline{\quad\quad} = \underline{\quad\quad}$$

Use a bar model to help you.



I bought 3 packs of pencils.  
Each pack has 8 pencils inside.  
How many pencils does I have?



$$8 + 8 + 8 =$$

$$3 \times 8 =$$





# Your turn Questions

## Problem solving

Emma has 27 cookies.

She wants to share them with 3 friends.

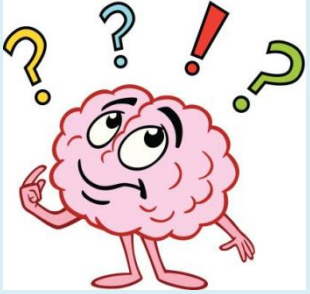
How many cookies will each friend get?



$$27 \div 3 =$$

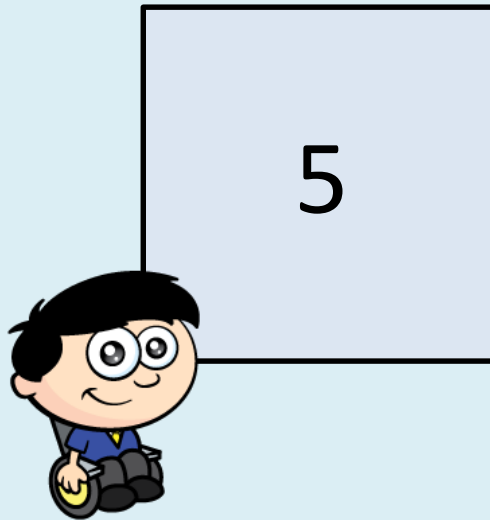


27		

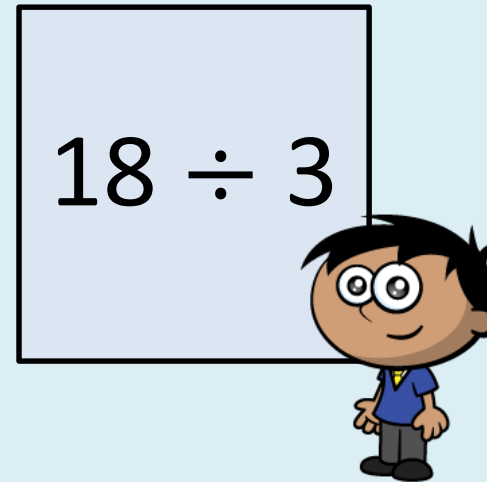


Which card has the greater value?

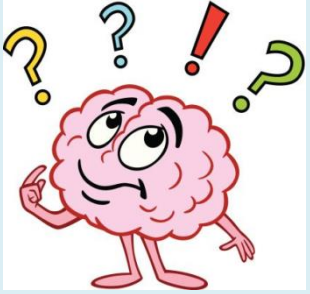
Have a think



<



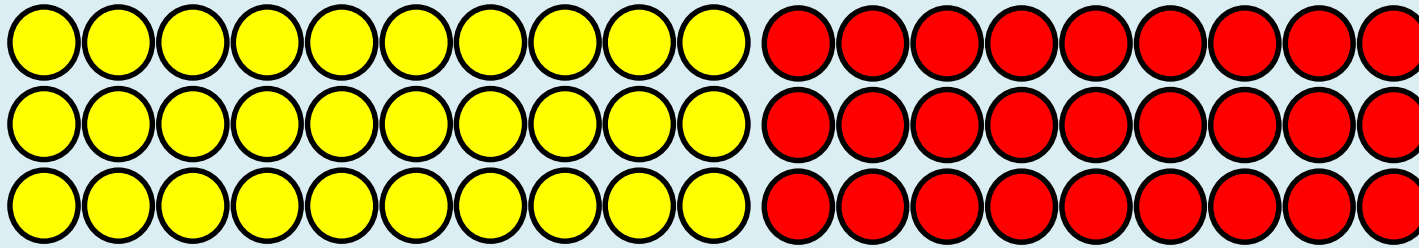
18		
6	6	6



What is  $19 \times 3$ ?



I added  $10 \times 3$  and  $9 \times 3$   
to make 57

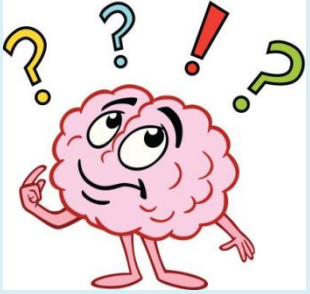


$$10 \times 3 = 30$$

$$9 \times 3 = 27$$

$$30 + 27 = 57$$

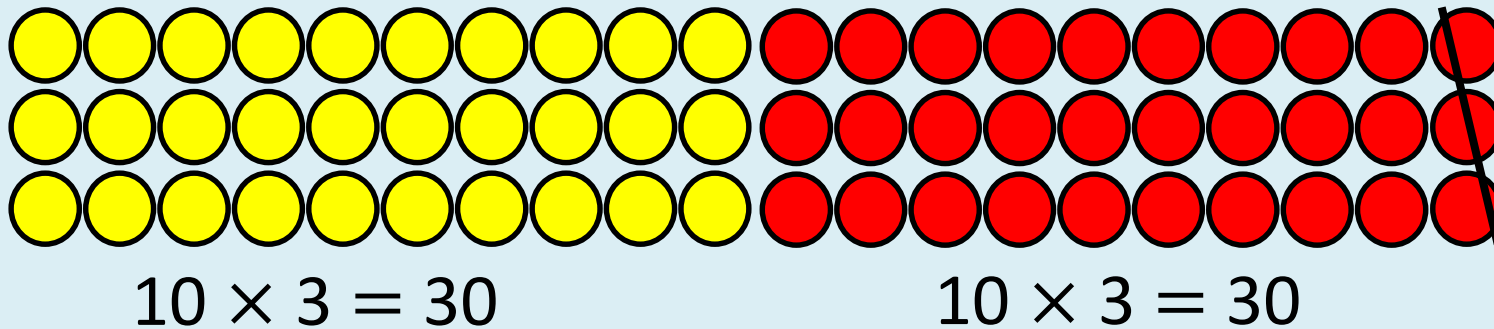




What is  $19 \times 3$ ?



I know  $10 \times 3 + 10 \times 3$  is equal  
to  $20 \times 3$  and that is 60  
Then I took one 3 away



$$20 \times 3 = 60$$

$$60 - 3 = 57$$

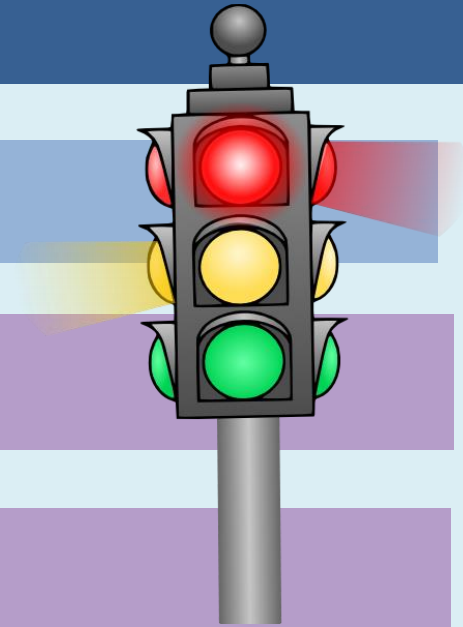
## Reflection – Traffic Lights


Where did I get to today?


I can now.....


I need more practice with...

I still need to learn how to .....



 ... multiply  
by 3.

 ... divide  
by 3.

 ... recite the  
3 times  
table.