

How are you feeling today?

*confused*

*relaxed*

*excited*

*sleepy*

*happy*

*curious*



*"Good Morning Year 3"*

*Thursday 28th January 2021*

Maths  
Week 4

            
Lesson 4

w

*commutative*

*equal  
groups  
of*

*Repeated  
addition*

*array*

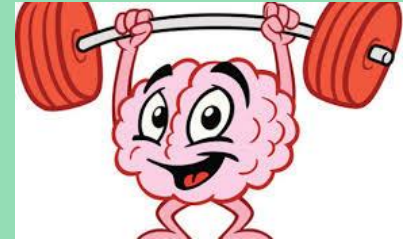
*lots of*

# Maths Star words

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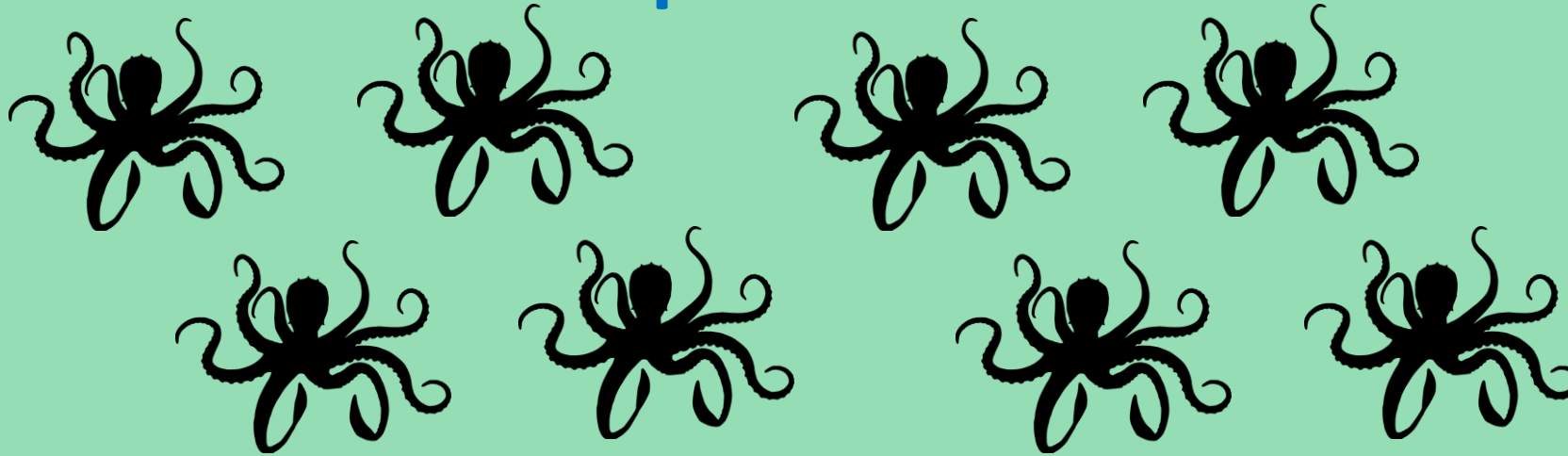


# Starter – Let's warm up our brains



How many legs in total?

Write a multiplication calculation.

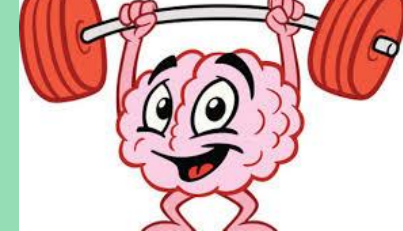


$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

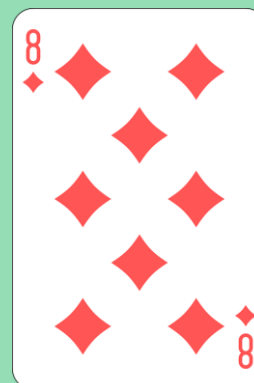
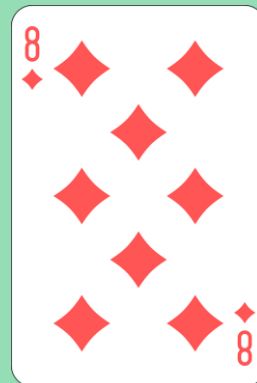
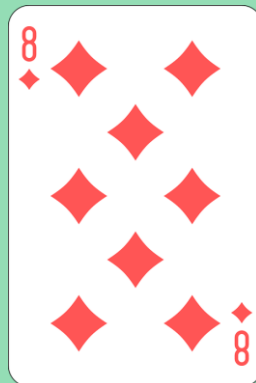
8	16	24	32	40	48	56	64	72	80	88	96
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# Starter – Let's warm up our brains



How many diamonds in total?  
Write a multiplication calculation.



$$\underline{\hspace{2cm}} \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

8	16	24	32	40	48	56	64	72	80	88	96
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Walt: divide by 8

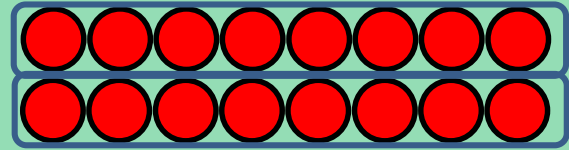
S2S: I can

- represent groups of 8 in different ways
  - count backwards in 8s
    - divide by 8



Let's Learn

Here is an 8 by 2 array



$$2 \times 8 = 16$$

$$8 \times 2 = 16$$

$$16 \div 8 = 2$$

$$16 \div 2 = 8$$

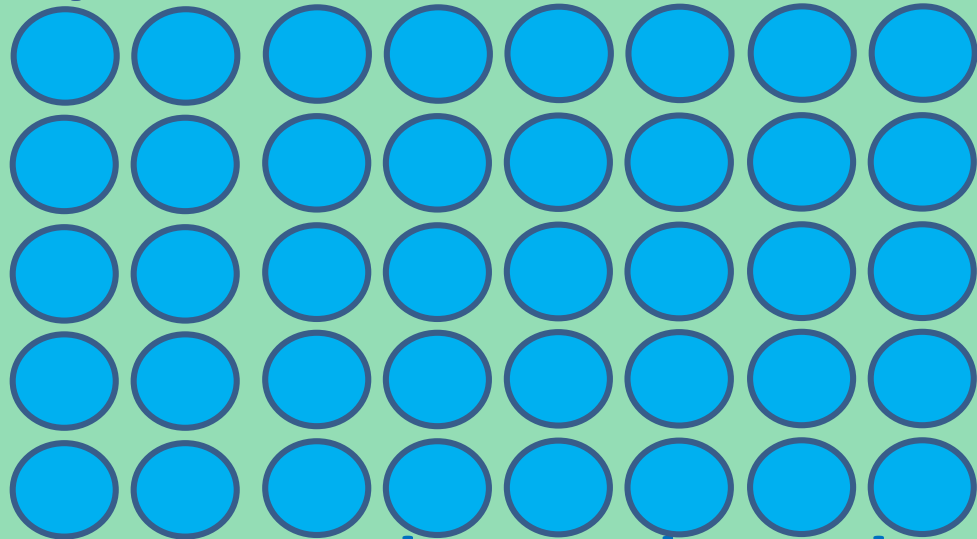
- 1) Draw an 8 by 4 array
- 2) How many counters are there in your array?
- 3) Write 2 multiplication equations to match your array.
- 4) Write 2 division equations to match your array.





# Guided Practice

Make **40** with counters and  
put them into rows of 8.

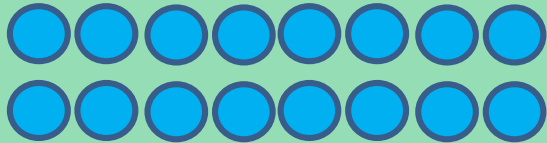


How many columns do we have?

What does this tell us?

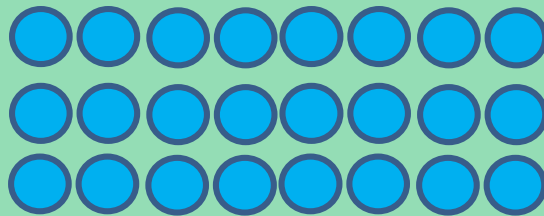
Make these numbers with counters, put them into rows of 8 and write the division fact.

16



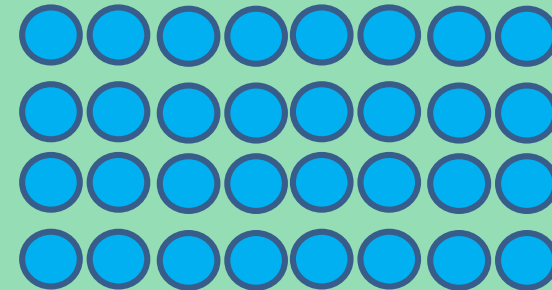
$$16 \div 8 =$$

24



$$24 \div 8 =$$

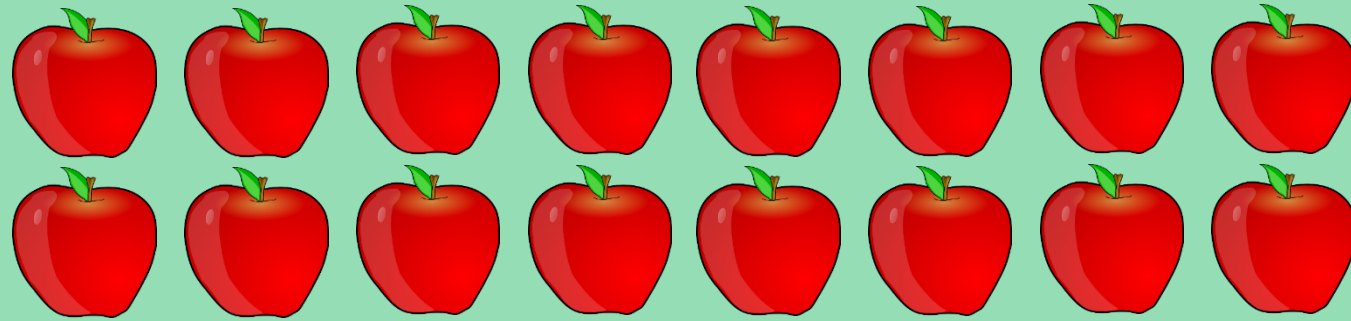
32



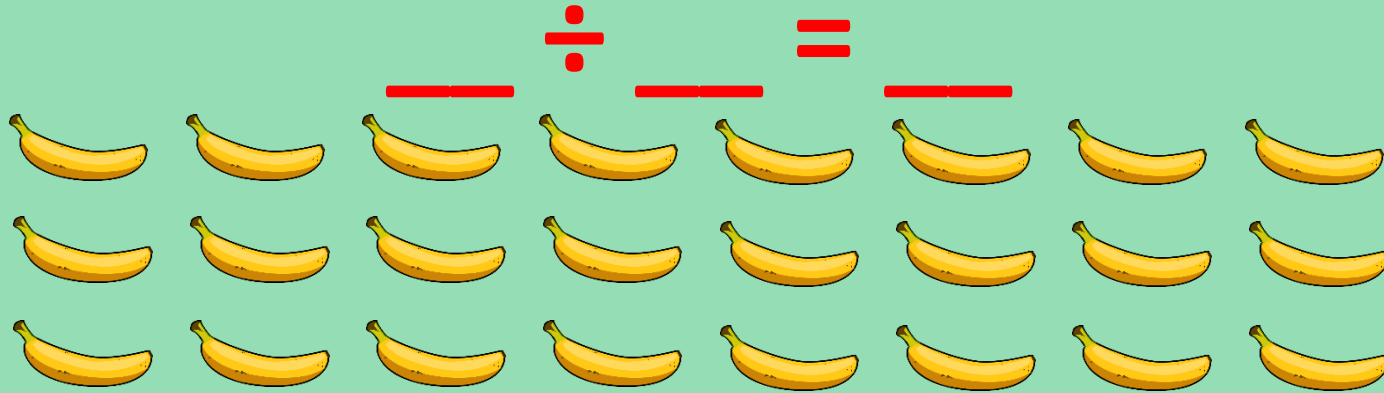
$$32 \div 8 =$$

Share the 16 apples equally into 4 groups.  
How many in each group?

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

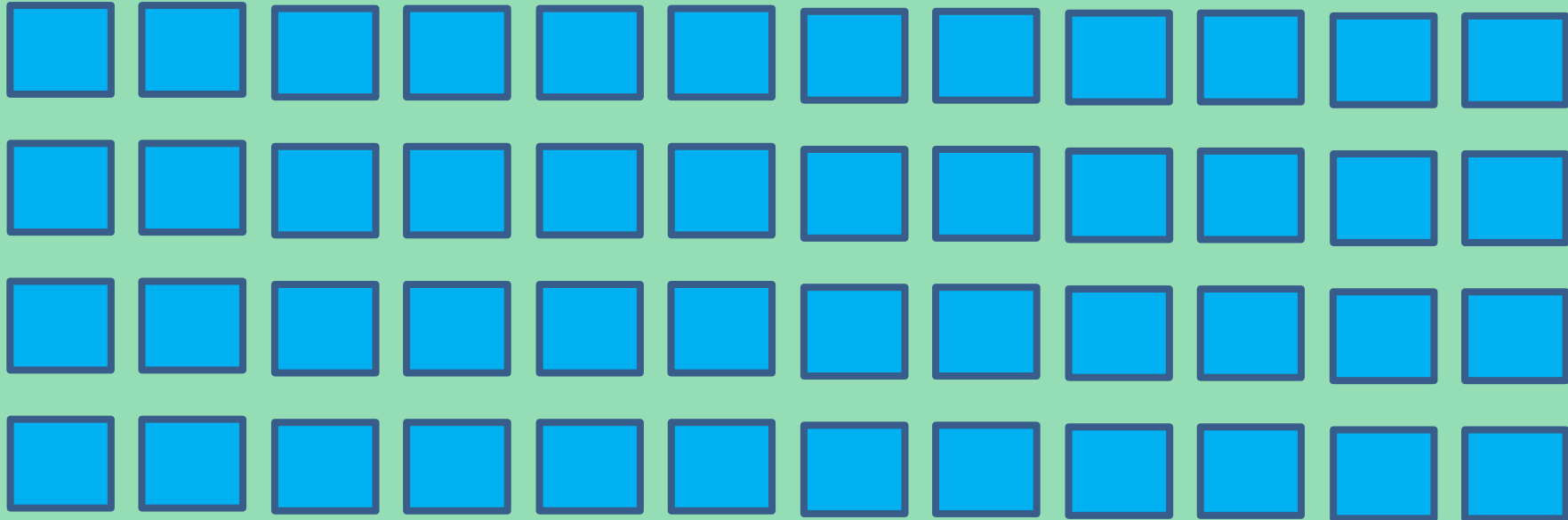



Share the 24 bananas equally into 4 groups.  
How many in each group?




There are 48 squares.

How many groups of 8 can you make?

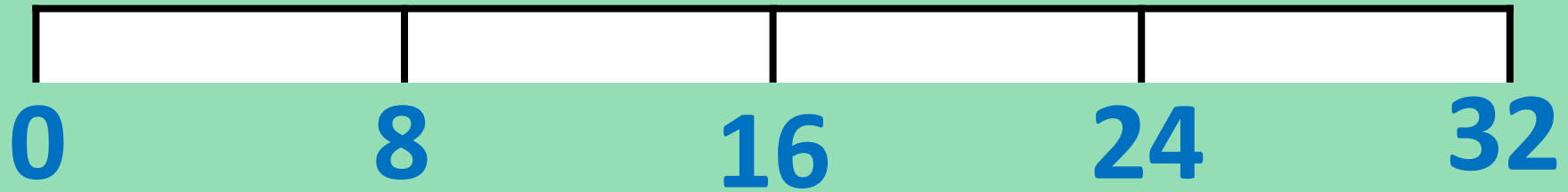


There are \_\_\_\_\_ groups of 8 triangles.

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

Use the number line to help you solve  
the calculation.

$$32 \div 8 = \underline{\quad}$$



Use the number line to help you solve  
the calculation.

$$48 \div 8 = \underline{\quad}$$

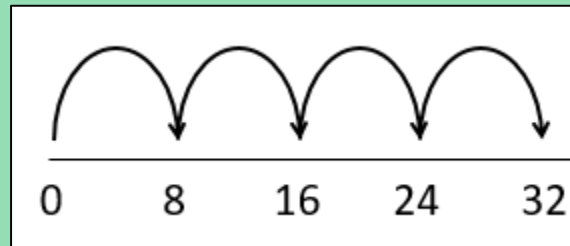
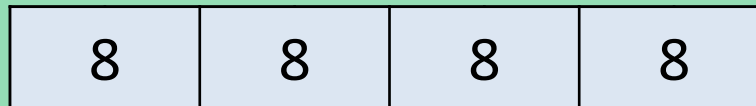
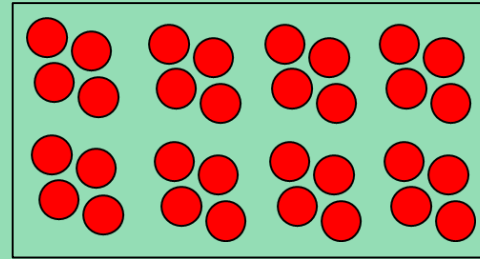
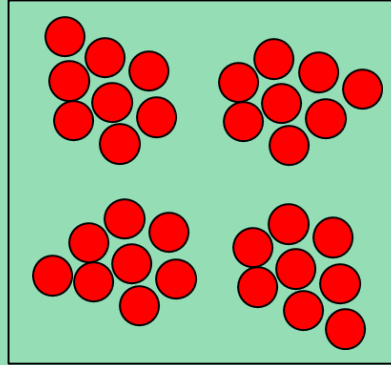




Shared into 8  
equal groups

$$32 \div 8$$

Grouped  
into 8s



Tim has 72 muffins and shares them equally  
between 8 friends.

How much does each friend get?

$$72 \div 8 = \underline{\quad}$$





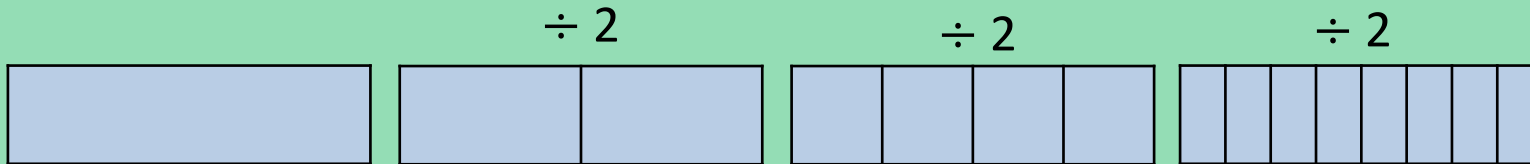

To divide by 8, take the number you are dividing and divide it by 2 four times.

$$80 \div 8 = 10$$

Have a think



$$80 \xrightarrow{\div 2} 40 \xrightarrow{\div 2} 20 \xrightarrow{\div 2} 10$$



I think you only need to divide by 2 three times.





Over to you -  
Independent questions

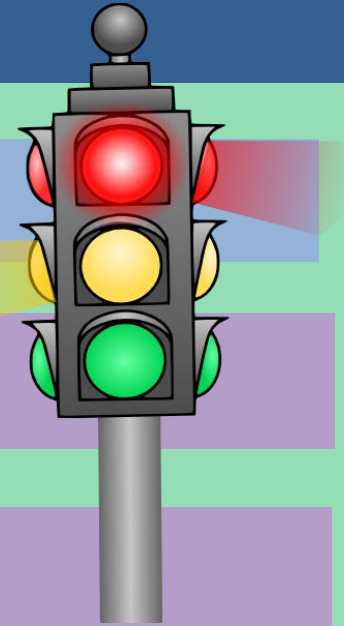
## Reflection – Traffic Lights


Where did I get to today?


I can now.....


I need more practice with...

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



 ... represent groups of 8 in different ways.

 ... count backwards in 8s.

 ... divide by 8.