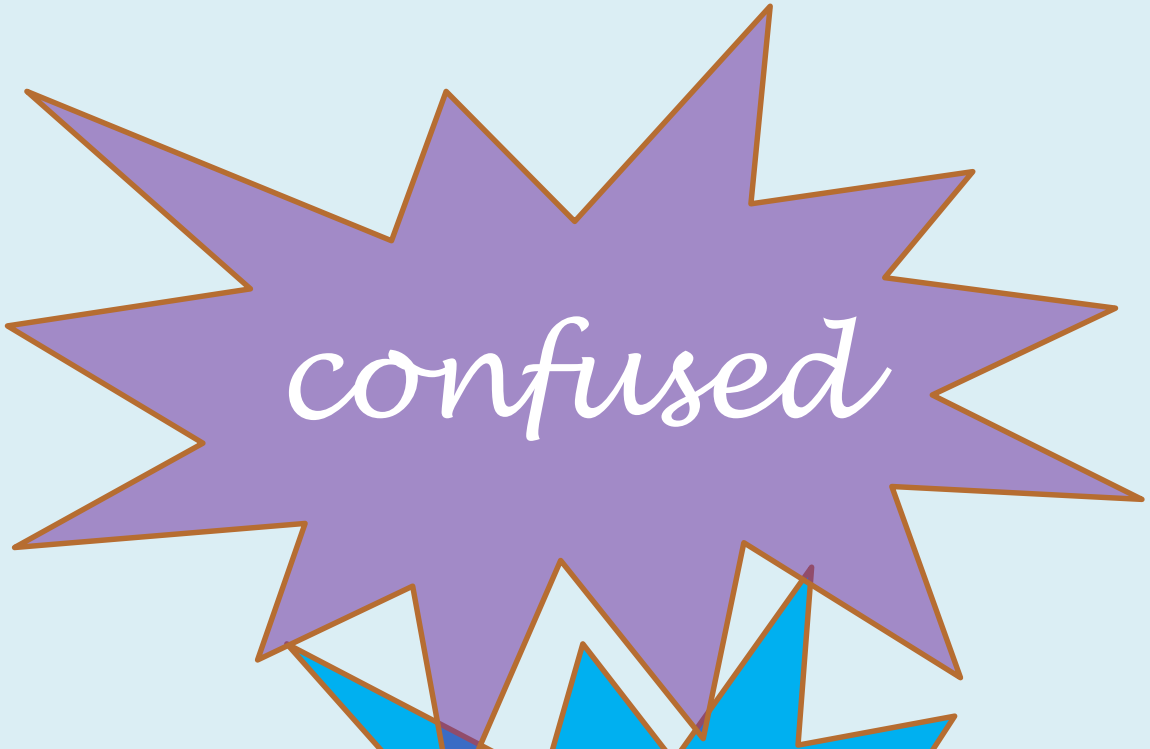
How are you feeling today?



"Good Morning Year 3"

Friday 22nd January 2021

Maths
Week 3

Lesson 5

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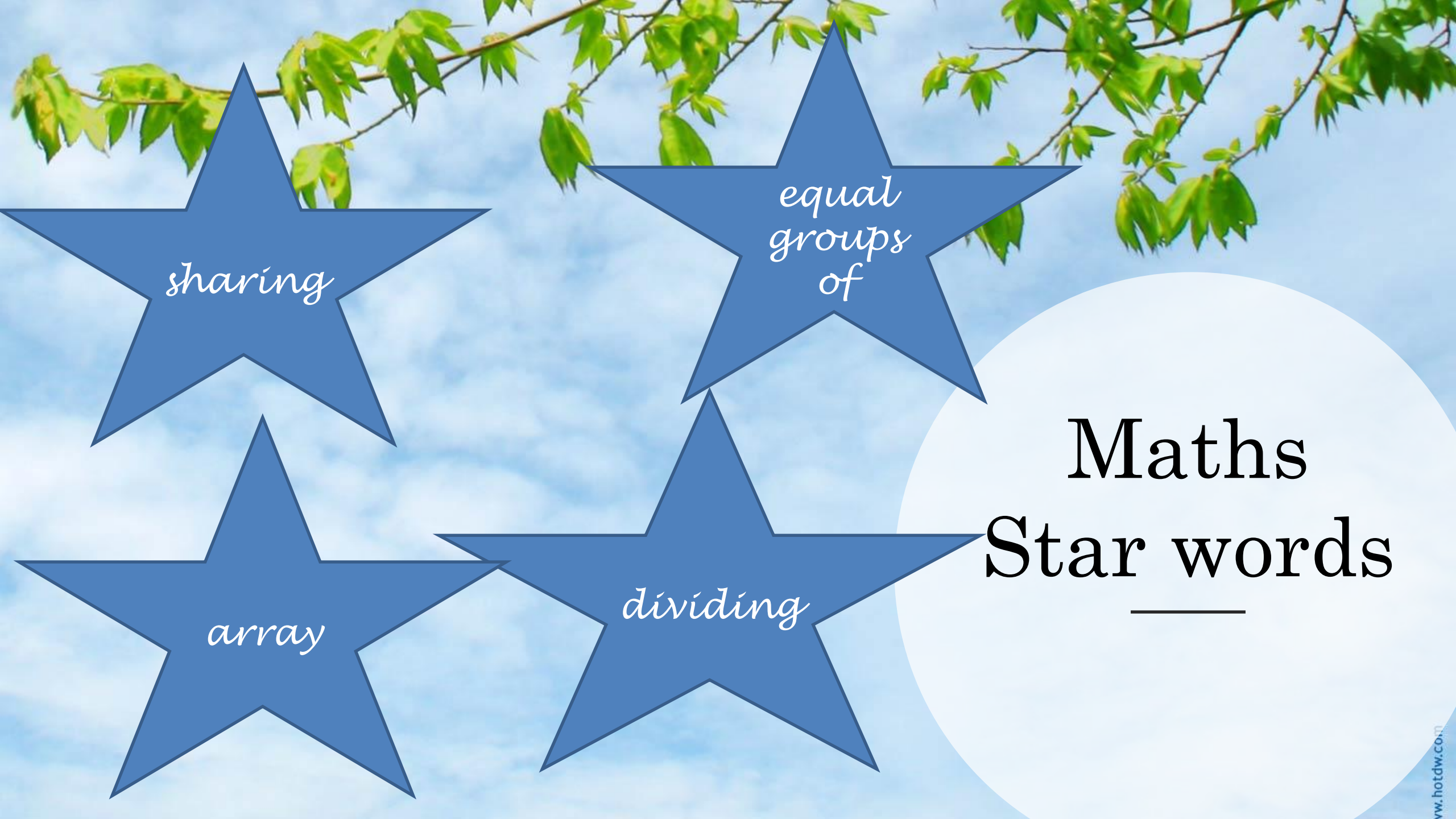
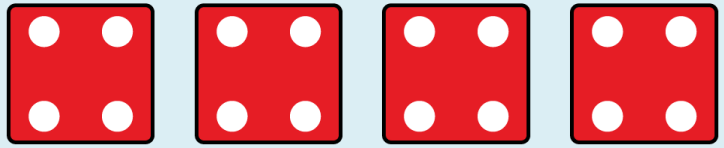


Maths Star words

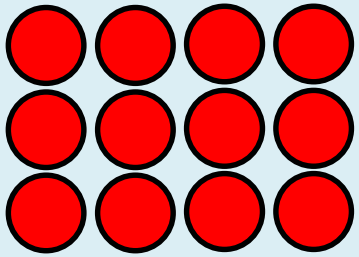
Starter – Let's warm up our brains

1) How many pencils?

2) How many spots?



3) Here is an array.



How many groups of 4 are there?

Walt: multiply by 4

S2S: I can

- represent groups of 4 in different ways
- count on in 4s
- multiply by 4

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Let’s Learn

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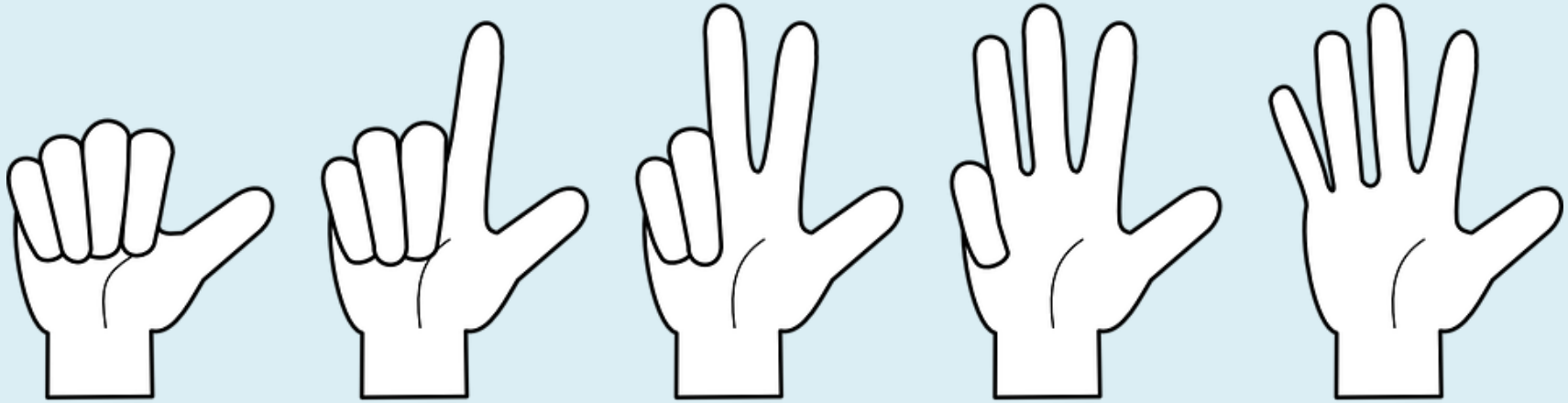
Count in 4s to 48. What do you notice?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50

Use your fingers to help you recite the 4 times table to 12 x 4.



1x4 is 4

2x4 is 8

3x4 is 12

4x4 is 16

5x4 is 20

Guided Practice

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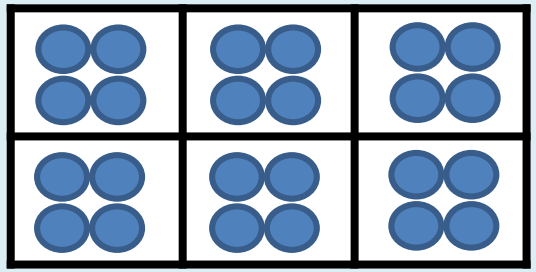
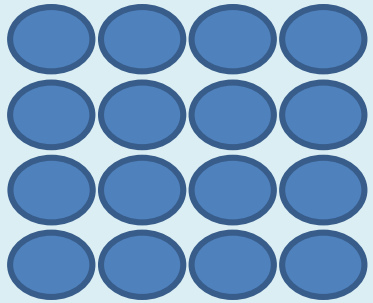
Match the calculations with the representation.

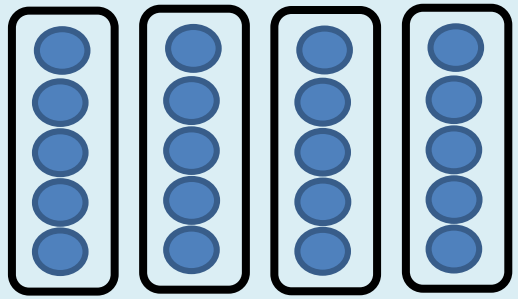
4 x 4

4 x 5

6 x 4







What do you see?

There are ____ equal groups of ____

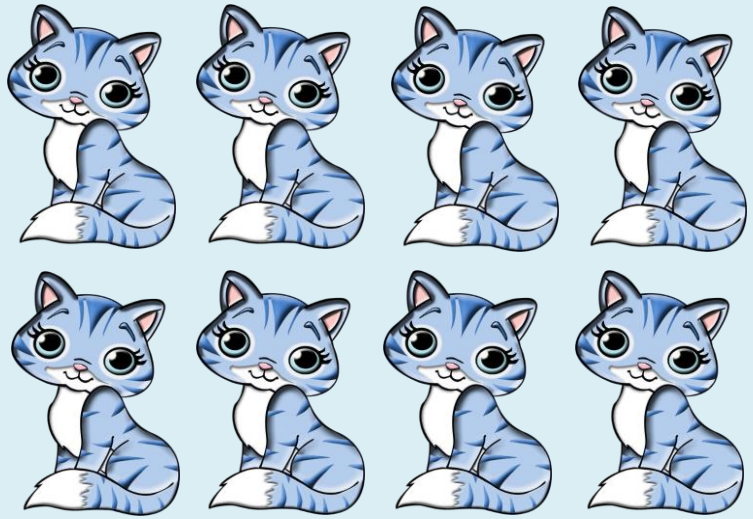
$\square + \square + \square = \square$

$\square \times \square = \square$

$\square \times \square = \square$

There are 8 cats.

How many groups of 4 can you make?



There are _____ groups of 4 cats.

2 x 4 =

How many chair legs in total?

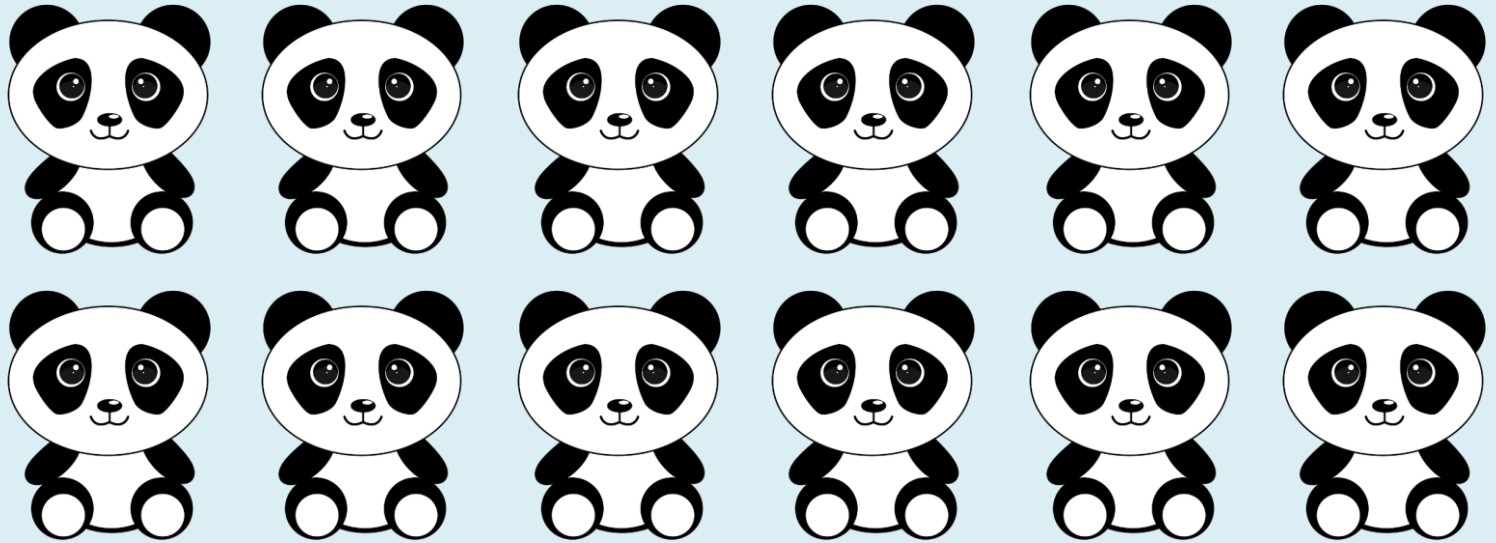
Write a multiplication calculation.

_____ x _____ = _____

4	8	12	16	20	24	28	32	36	40	44	48

There are 12 pandas.

How many groups of 4 can you make?

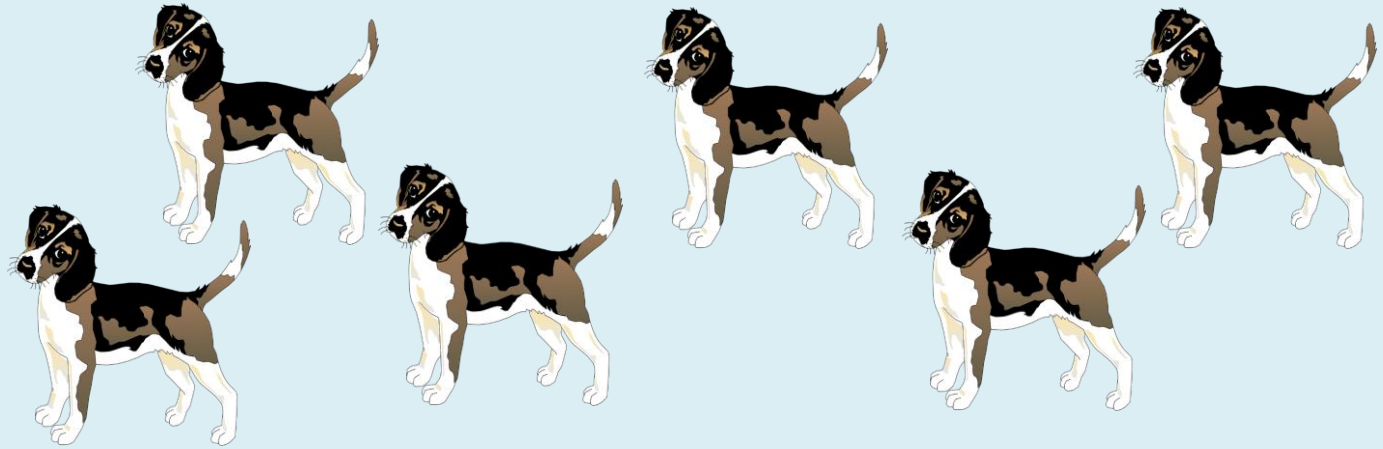


There are _____ groups of 4 pandas.

3 x 4 =

How many legs in total?

Write a multiplication calculation.



_____ x _____ = _____

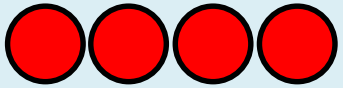
4	8	12	16	20	24	28	32	36	40	44	48

How many wheels in total?

Write a multiplication calculation.

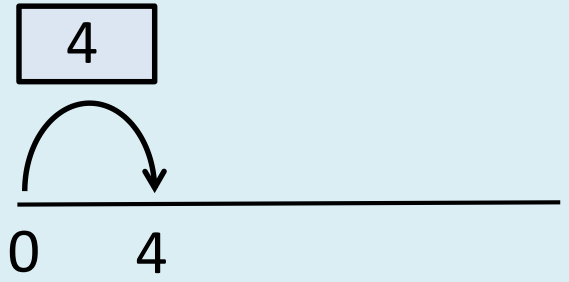
_____ x _____ = _____

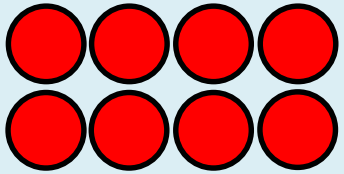
4	8	12	16	20	24	28	32	36	40	44	48



$1 \times 4 = 4$

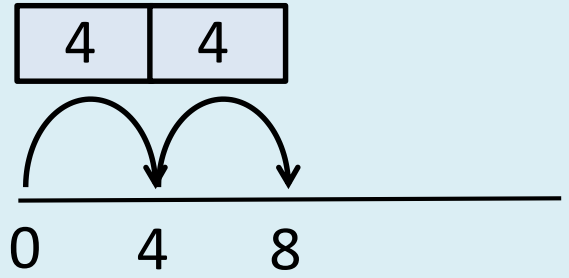
$4 \times 1 = 4$

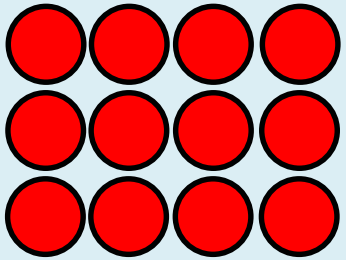




$2 \times 4 = 8$

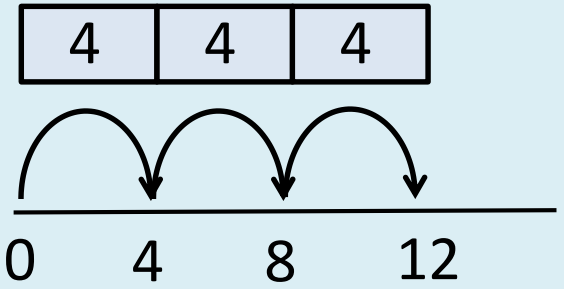
$4 \times 2 = 8$



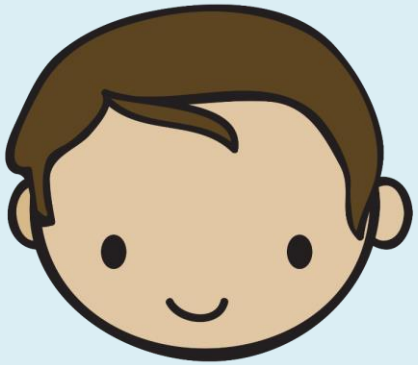


$3 \times 4 = 12$

$4 \times 3 = 12$



Use a bar model to help you.



I bought 4 packs of pencil sharpeners.
Each pack contains 12 sharpeners.
How many sharpeners do I have?

12	12	12	12

12 + 12 + 12 + 12 =

4 x 12 =

Use a bar model to help you.

I bought 7 packs of muffins.
Each pack contains 4 muffins.
How many muffins do I have?

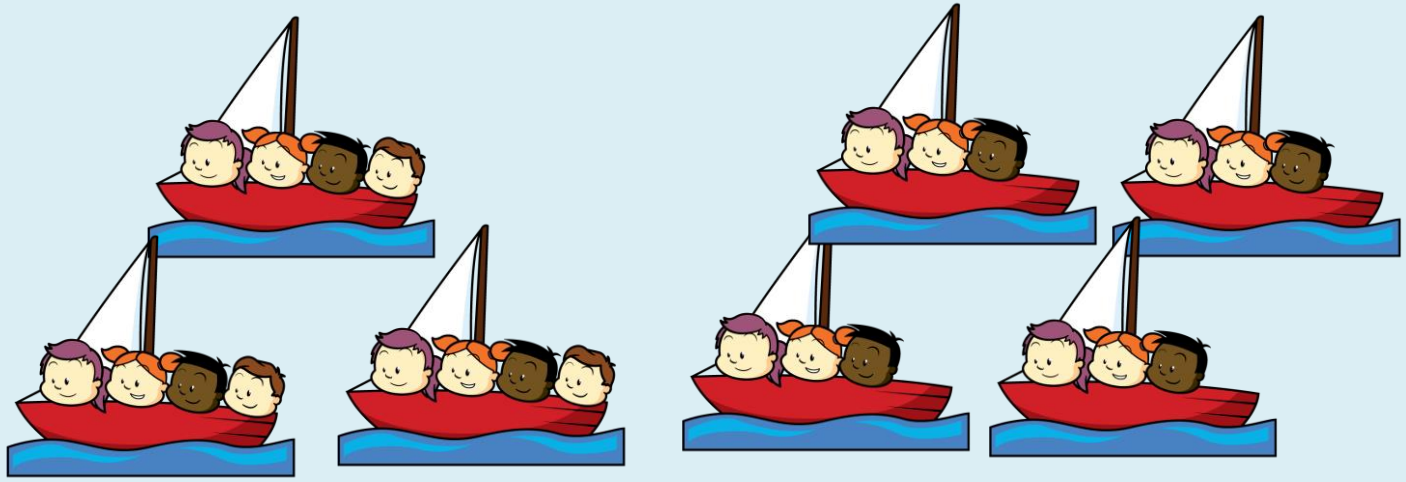
4	4	4	4	4	4	4

4 + 4 + 4 + 4 + 4 + 4 + 4 =

7 x 4 =

Which number story matches the picture?

$3 \times 4 = 12$ or $4 \times 3 = 12$



Have a think

There are 3 boats.
Each boat has 4 children.
There are 12 children altogether.

There are 4 boats.
Each boat has 3 children.
There are 12 children altogether.

Your turn
Questions
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Top Tip

To multiply by 4, you take the number you are multiplying and double it twice.

4×1

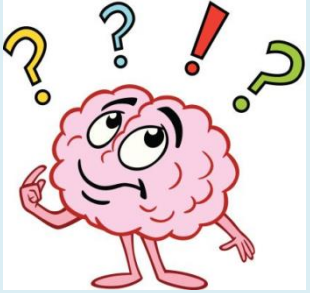
1 → double → 1 1 → double → 1 1 1 1

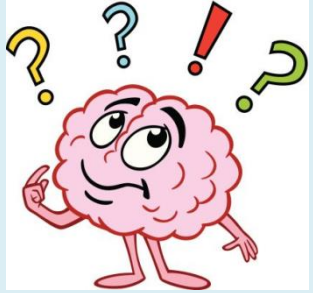
4×2

2 → double → 2 2 → double → 2 2 2 2

$4 \times$

→ double → → double →





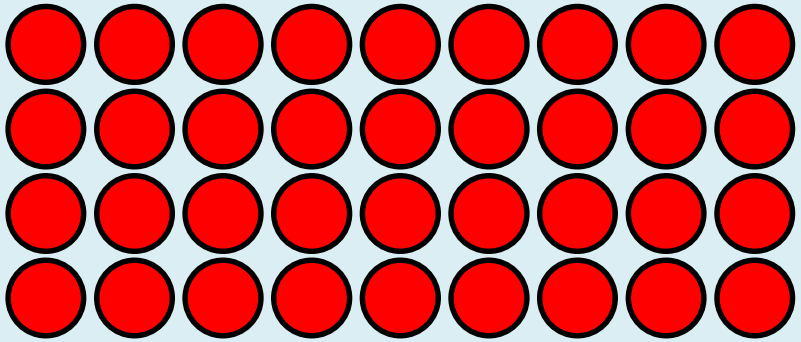
4×9 is the same as $4 \times 3 \times 3$

Plenary True or False

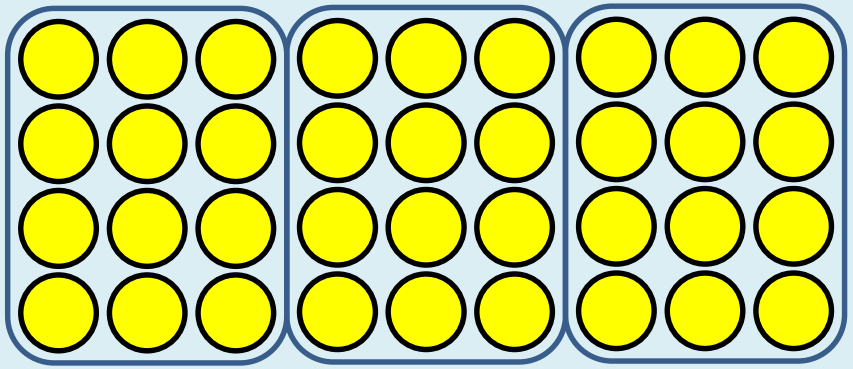
What have you learnt today? Can you explain it to someone.

4×9 is the same as $4 \times 3 \times 3$

Have a think



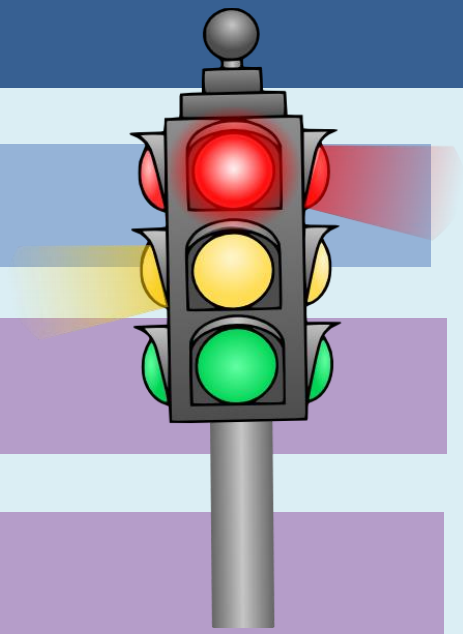
4×9



4×9

4×3 4×3 4×3

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 4 in different ways.	... count on in 4s.	... multiply by 4.