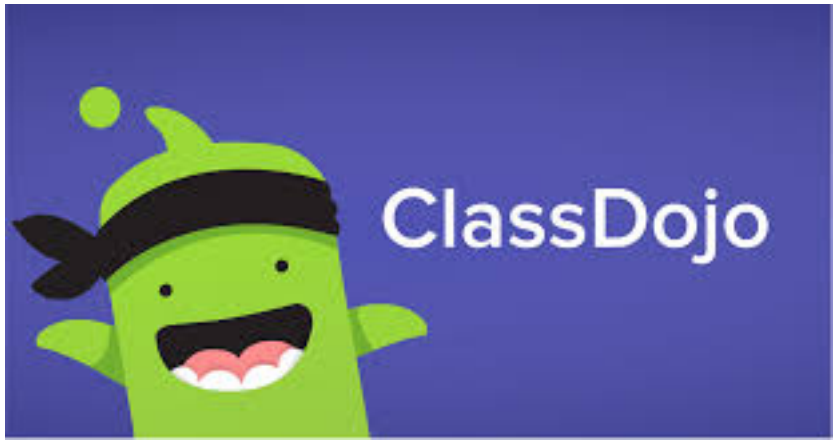
Year 3
Maths Lesson

26.1.21

Home Learning Powerpoint – If you have any problems, just send us a Dojo message.

On this maths powerpoint:

- 1 warm up activity
- 1 maths lesson



Remember – you can get Dojos for posting pictures of your work on Class Dojo!

Warm Up Activity

Finish off the number sequences.

1. 24, 26, 28, ____, ____, ____.
2. 50, 100, 150, ____, ____, ____.
3. 13, 23, 33, ____, ____, ____.
4. 35, 40, 45, ____, ____, ____.
5. 28, 26, 24, ____, ____, ____.
6. 350, 300, 250, ____, ____, ____.
7. 68, 58, 48, ____, ____, ____.
8. 95, 90, 85, 80, ____, ____, ____.

Answers on the next page – no peeking!

Warm Up Activity

Finish off the number sequences.

1. 24, 26, 28, **30, 32, 34.**
2. 50, 100, 150, **200, 250, 300.**
3. 13, 23, 33, **43, 53, 63.**
4. 35, 40, 45, **50, 55, 60.**
5. 28, 26, 24, **22, 20, 18.**
6. 350, 300, 250, **200, 150, 100.**
7. 68, 58, 48, **38, 28, 18.**
8. 95, 90, 85, 80, **75, 70, 65.**

Answers on the next page – no peeking!

Maths Lesson

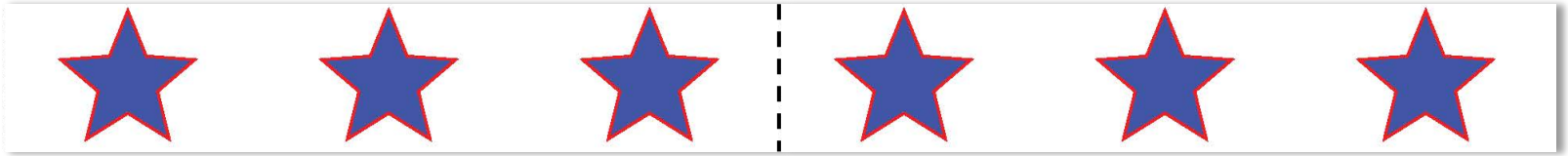
Write out your objective and date in your exercise book.

26.1.21

Objective: Can I find a fraction of a number?

How many stars on this strip?

Now let's fold it in **half.**

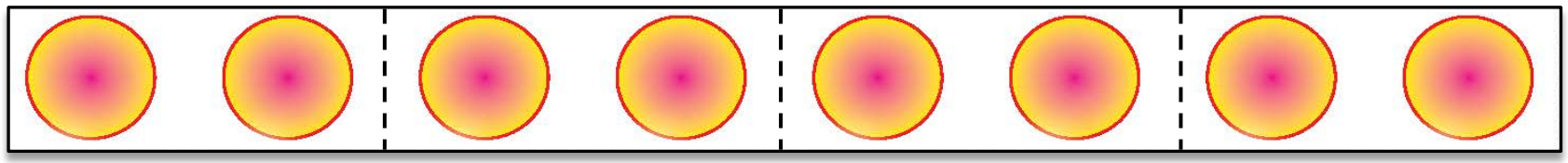


How many stars in **each half?**

So what is $^{1}/_{2}$ of 6?

How many circles on this strip?

Now let's fold it into **quarters.**

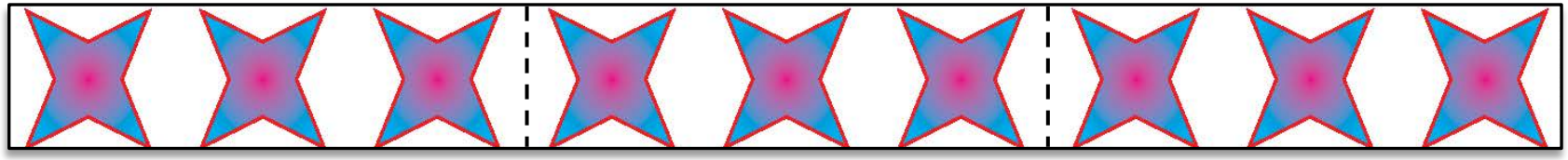


How many circles in **each quarter?**

So what is $\frac{1}{4}$ of 8?

How many shapes on this strip?

Now let's fold it into **thirds.**



How many shapes in **each third?**

So what is $\frac{1}{3}$ of 9?

Find a quarter

1 Here are 8 counters.

a) Share the counters equally into 4 groups.

b) Complete the sentences.

☐ counters are shared equally between ☐ groups.

There are ☐ counters in each group.

c) What is $\frac{1}{4}$ of 8? ☐

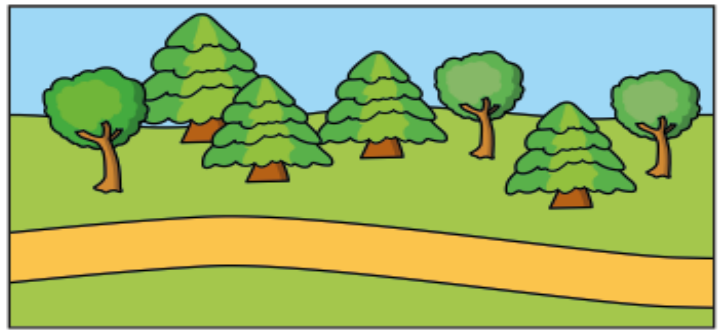
How did you work this out?

2 There are 12 pencils.

a) Share them equally between 4 pencil pots.

b) What is $\frac{1}{4}$ of 12? ☐

3 Tom and Dora are walking along a path.
By midday Dora has walked halfway.
Tom has walked a quarter of the way.



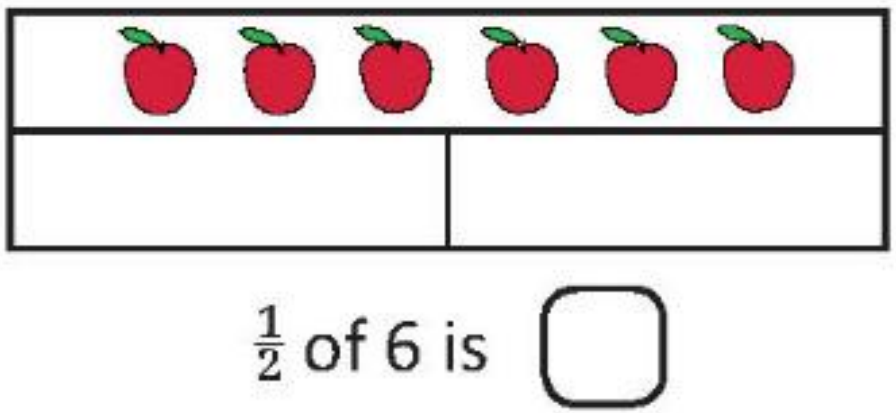
a) Draw an arrow to show where Dora is.

b) Draw an arrow to show where Tom is.

This is a Bar Model

To find out ½ of 6, you draw 6 apples.

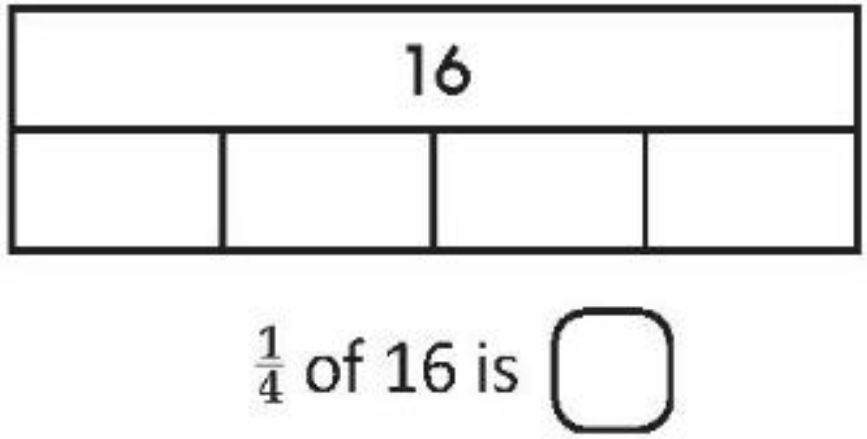
Then split them into two equal groups.



Look at this bar model

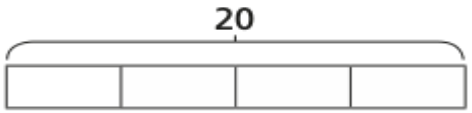
To find out 1/4 of 16, you draw can draw 16 apples/blobs.

Then split them into four equal groups.



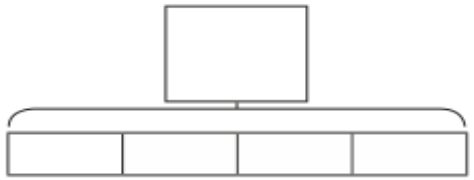
4 Use the bar models to help you work out a quarter.

a) Work out $\frac{1}{4}$ of 20



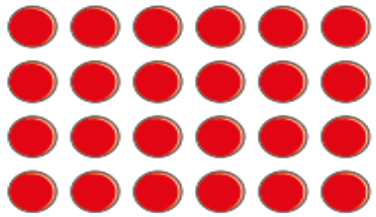
$\frac{1}{4}$ of 20 = ☐

b) Work out $\frac{1}{4}$ of 16



$\frac{1}{4}$ of 16 = ☐

5 Show that $\frac{1}{4}$ of 24 is 6



6

I can find a quarter by halving a number and halving again.

Use this method to find $\frac{1}{4}$ of 12

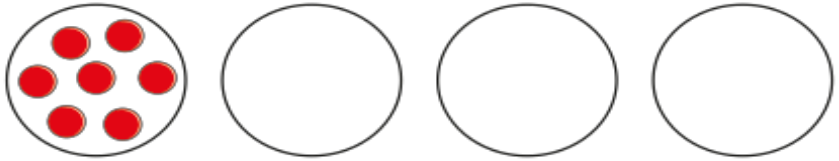
$\frac{1}{4}$ of 12 = ☐

7 Complete the table.

Number	$\frac{1}{2}$ of Number	$\frac{1}{4}$ of Number
8		
20		
24		

8 $\frac{1}{4}$ of a number is 7

What is the number?



The number is ☐

This is a bar model

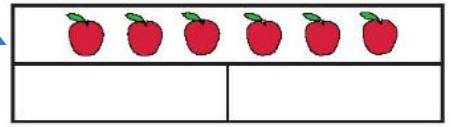
You can use counters to help you.

Or you can draw apples like me!

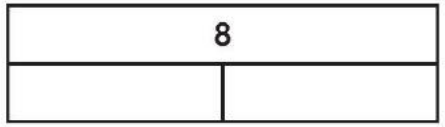
Find $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$ of numbers

Sheet 1

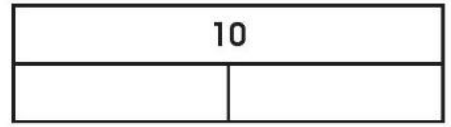
Write the number in each half.



$\frac{1}{2}$ of 6 is ☐

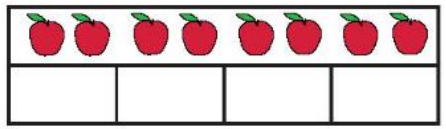


$\frac{1}{2}$ of 8 is ☐

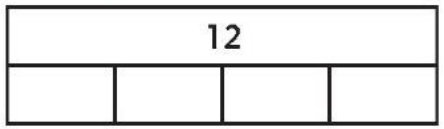


$\frac{1}{2}$ of 10 is ☐

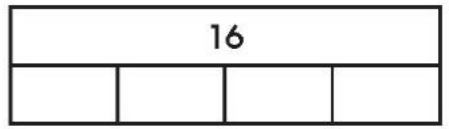
Write the number in each quarter.



$\frac{1}{4}$ of 8 is ☐

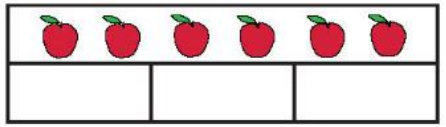


$\frac{1}{4}$ of 12 is ☐

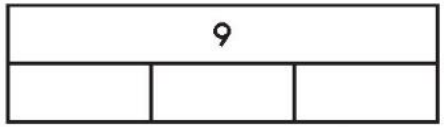


$\frac{1}{4}$ of 16 is ☐

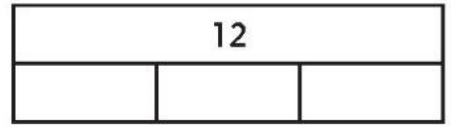
Write the number in each third.



$\frac{1}{3}$ of 6 is ☐

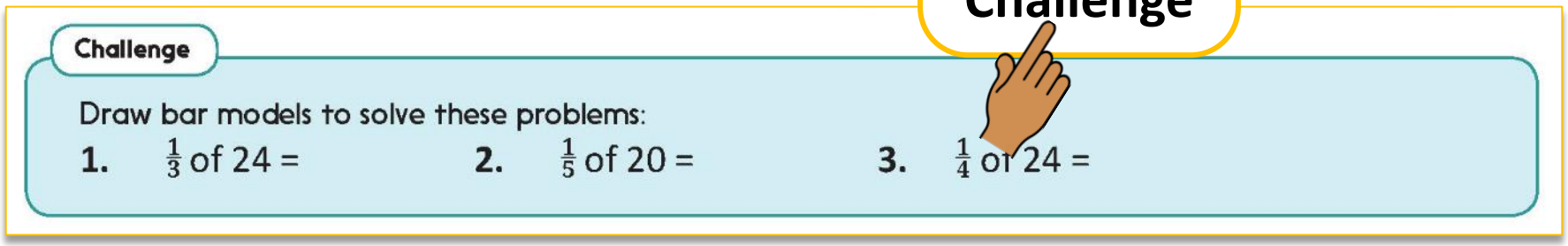


$\frac{1}{3}$ of 9 is ☐



$\frac{1}{3}$ of 12 is ☐

Challenge



Fun Activity – Play this online maths game.

https://www.bbc.co.uk/games/embed/karate-cats-2?exitGameUrl=https%3A%2F%2Fbbc.co.uk%2Fbitesize%2Farticles%2Fzf4sscw

How did you do?

Don’t forget to post your work on Class Dojo!