

**Skill - I can recognise  
a quarter**

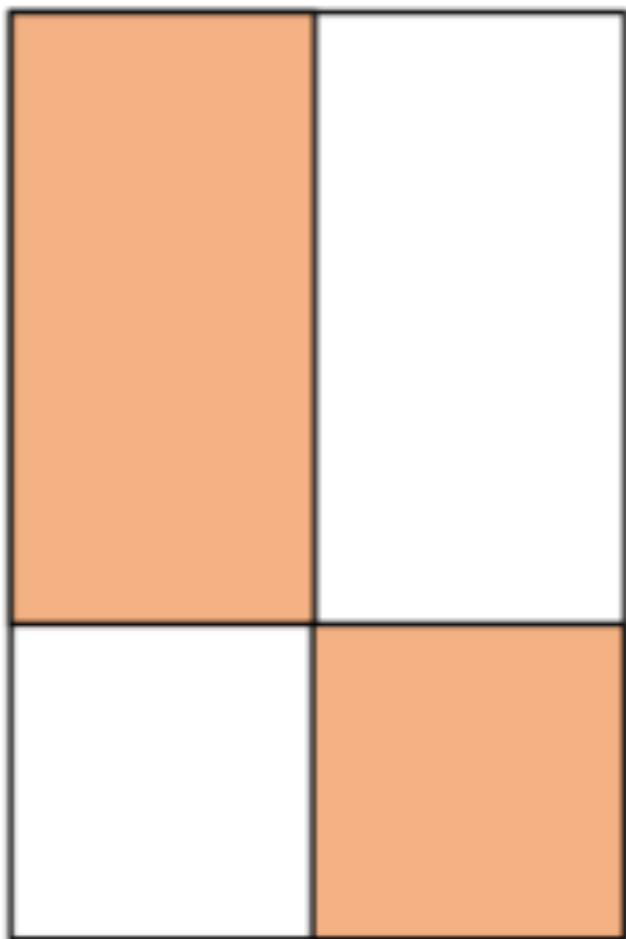
Spring 2  
Week 4 - Lesson 1

# Rapid Recall

Write this number in words:	Circle the even numbers:	
65 <i>Sixty five</i>	4 15 12 26 97 77 44 60	
What symbol is needed? (<, > or =)	Addition	Subtraction
11 + 5 + 3 <input type="text" value="&lt;"/> 9 + 2 + 9	19 + 6 = 25	23 - 5 = 18
Find and write the missing numbers...	Multiplication	Division
1, 6, 11, 16, 21, 26, 31, 36	3 × 5 = 15	30 ÷ 5 = 6

# Big Question

Rosie says the shaded part of the shape does not show a half because there are four parts, not two equal parts.

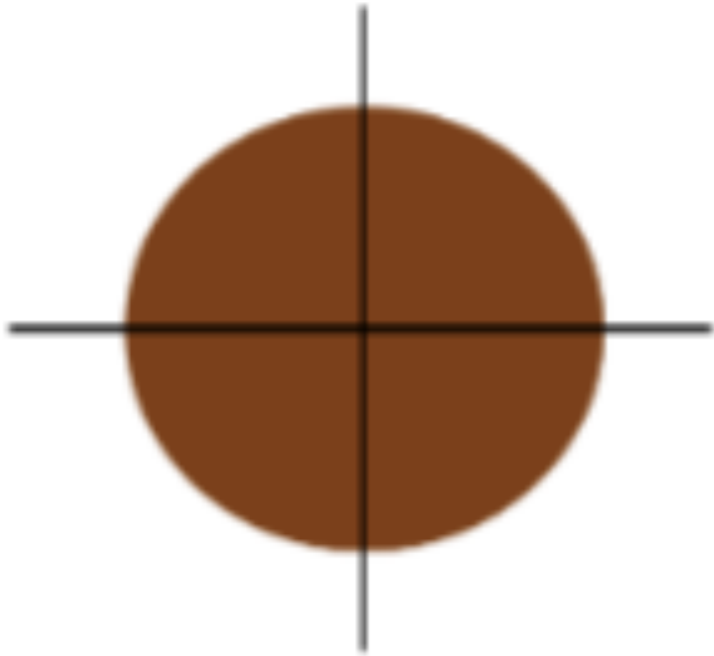


Do you agree? Explain why.

Possible answer:  
I disagree because you can swap the red and white squares/rectangles and you would have two equal parts with one part shaded.

# Varied Fluency

Four friends are sharing a cake.



The cake is split into \_\_\_\_\_ equal parts.

Each part is worth a \_\_\_\_\_.

This can be written as



# Varied Fluency

Shade  $\frac{1}{4}$  of each shape.



# Varied Fluency

Circle the shapes that have a quarter shaded.

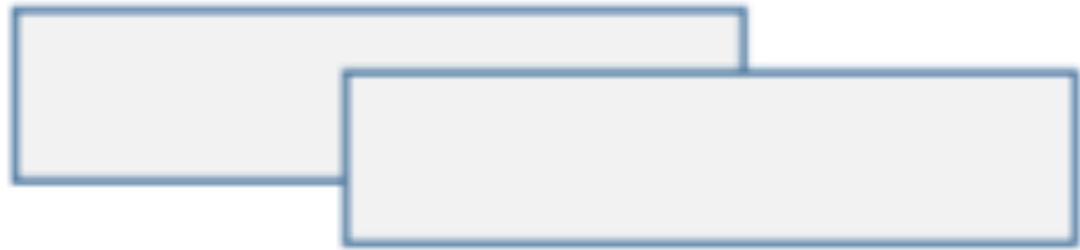


Which shapes do not have a quarter shaded? How do you know?

Draw the shapes again and split them into quarters correctly?

# Problem Solving

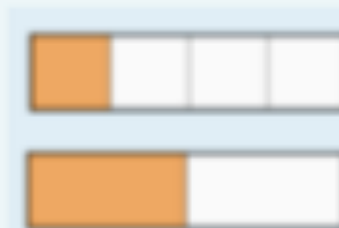
Alex is folding two identical paper strips.



I think  $\frac{1}{4}$  of the strip will be bigger than  $\frac{1}{2}$  of the strip because 4 is bigger than 2

Use paper strips to prove Alex is incorrect.

Possible answer:  
When the whole is the same, one quarter will be smaller because it is one of four equal parts compared to a half which is one of two equal parts.



# Problem Solving

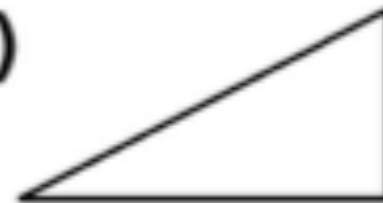
Only  $\frac{1}{4}$  of each shape has been drawn.

Draw the rest of each shape to make the whole shape.

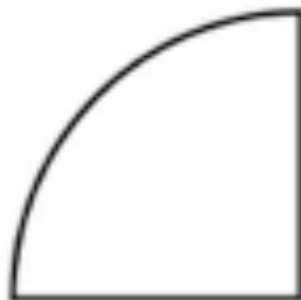
a)



c)



b)





# Reasoning

True or False?

$\frac{1}{4}$  of the shape is shaded.



Explain your answer.

Children will need to split the shape into four equal parts in order to show that this is true.

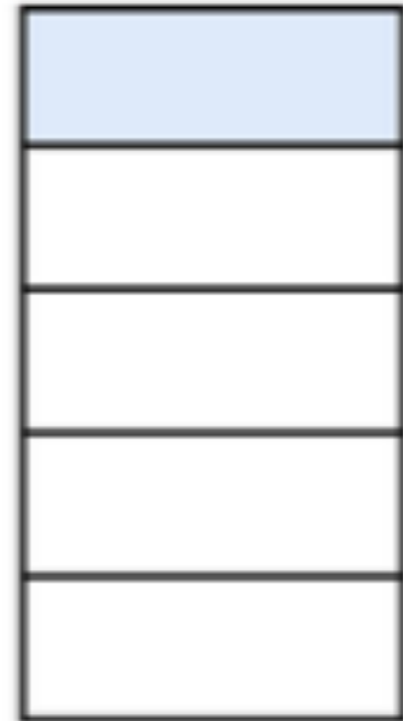


# Reasoning

4



This shape has  $\frac{1}{4}$  shaded.



Do you agree with Whitney? \_\_\_\_\_

Why?

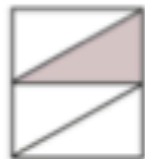
# Independent Activity

Date: Monday 16<sup>th</sup> March

Skill: I can recognise a quarter (VF PS R)

Power: think things through

Tick the shapes that have  $\frac{1}{4}$  shaded.



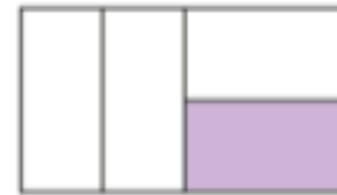
Rosie

$\frac{1}{4}$  of these shapes are shaded.



Amir

That is not possible as they do not look like equal parts.



a) Who is correct? \_\_\_\_\_

How do you know?

b) Find two more ways to split the rectangle into quarters.

Colour  $\frac{1}{4}$  of each shape.



Skill - I can find a  
quarter

Spring 2  
Week 4 - Lesson 2

# Rapid Recall

## Bingo

Write down 6 numbers from the 5 times table.

I will say the sum and if you have the answer cross it off.

When you have all 6 crossed off shout "Bingo"!

Be quick, the winner is the first person (who is right!).

# Big Question

True or False?

Recognise a quarter

True

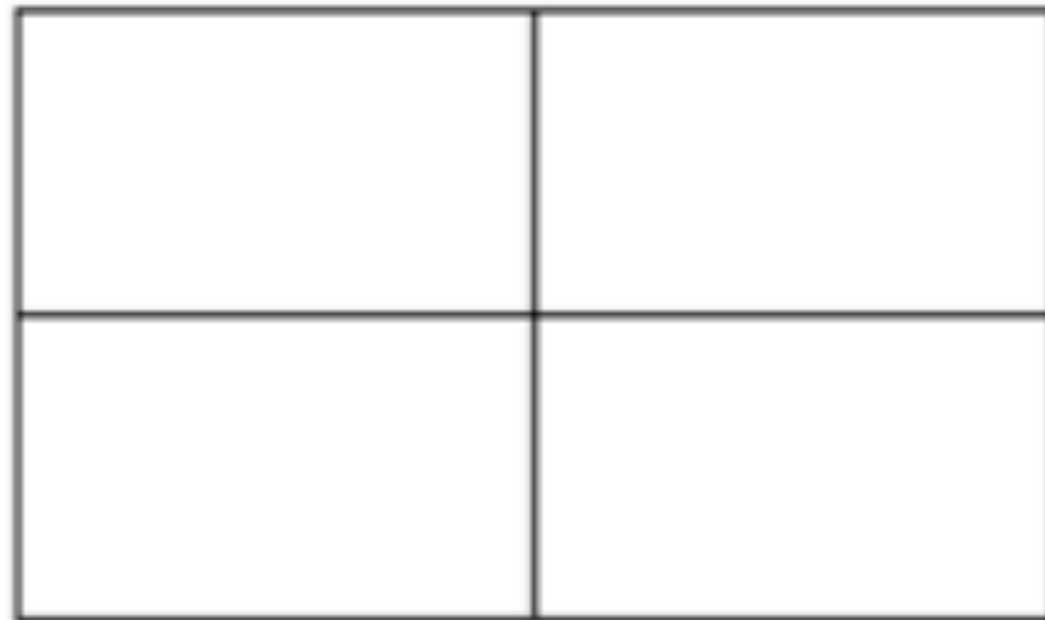
The shape is split into 4 equal parts and 1 out of the 4 equal parts are shaded.

# Varied Fluency

Here are 8 counters.



**a)** Share the counters equally into 4 groups.



# Varied Fluency

There are 12 pencils.



a) Share them equally between 4 pencil pots.



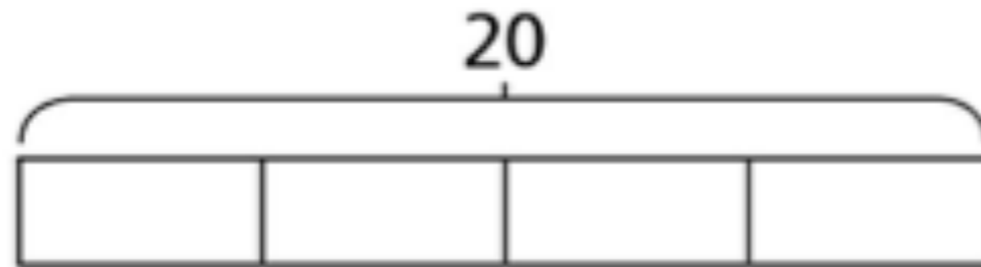
b) What is  $\frac{1}{4}$  of 12?



# Varied Fluency

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

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



$$\frac{1}{4} \text{ of } 20 = \square$$

Repeat for different numbers until confident.

# Varied Fluency

To find  $\frac{1}{4}$  we can  $\frac{1}{2}$  and  $\frac{1}{2}$  again...

Complete:

$$\frac{1}{2} \text{ of } 12 = \square$$

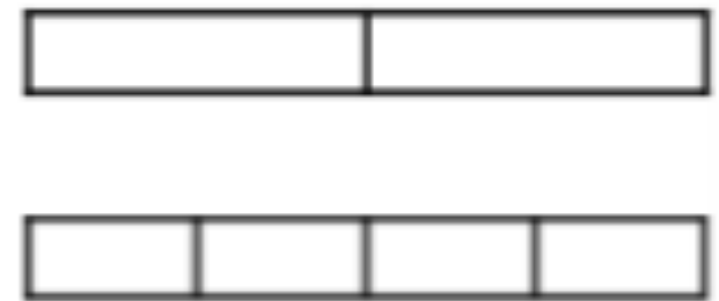
$$\frac{1}{4} \text{ of } 12 = \square$$

$$\frac{1}{2} \text{ of } 20 = \square$$

$$\frac{1}{4} \text{ of } 20 = \square$$

$$\frac{1}{2} \text{ of } 8 = \square$$

$$\frac{1}{4} \text{ of } 8 = \square$$



# Reasoning

Who has more? Explain why.



I have  $\frac{1}{4}$  of £8

Rosie



I have  $\frac{1}{2}$  of £6

Whitney

Whitney has more because half of £6 is £3, whereas a quarter of £8 is only £2

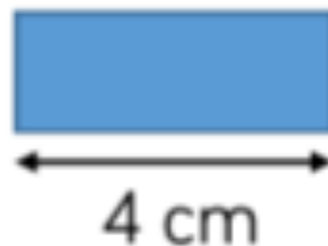
# Problem Solving

Mo has two ribbons. He cuts  $\frac{1}{4}$  from each ribbon.

$\frac{1}{4}$  of ribbon A



$\frac{1}{4}$  of ribbon B



How long were Mo's whole pieces of ribbon?

Which ribbon was the longest? How much longer?

Ribbon A was  
20 cm

Ribbon B was  
16 cm

Ribbon A was 4cm  
longer.

# Independent Activity

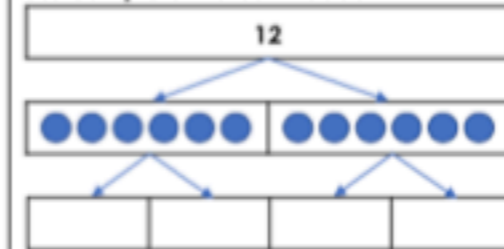
Date: Tuesday 17<sup>th</sup> March

Skill: I can find a quarter

Power: apply learning

## Find a Quarter

5a. Complete the bar model.



$\frac{1}{2}$  of 12 is

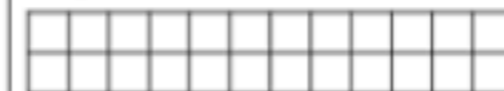
☆  $\frac{1}{4}$  of 12 is

6a. Find one quarter of the strawberries below. Circle the correct answer.



☆ 4      1      2      3

7a. Colour a quarter of the shape and complete the sentences.



The whole is .

☆  $\frac{1}{4}$  of  is


8a. Fill in the blanks.


$\frac{1}{4}$  of 28 →  $28 \div 2 = \underline{\quad} \div 2$  →


$\frac{1}{4}$  of 24 →  $24 \div 2 = \underline{\quad} \div 2$  →

PS R

4a. Using the images to help, match the fractions to their answer.

A.   $\frac{1}{4}$  of 4     

B.   $\frac{1}{4}$  of 12     

C.   $\frac{1}{4}$  of 8     

☆ Which number is the odd one out? PS


5a. Is Layla correct? Explain your answer.



 One quarter of £24 is £7 because half of 24 is 14 and half of 14 is 7.

☆ PS

6a. Declan is thinking of a number. What could the number be?

  $\frac{1}{4}$  of my number is less than 4.

Shade  $\frac{1}{4}$  of these images to help you.



☆ PS

**Skill - I can recognise  
a third**

Spring 2  
Week 4 - Lesson 3

# Rapid Recall

2 minutes to write down as many  
bonds to 100 as possible.

# Big Question

Eva says,

I have  $\frac{1}{4}$   
because I have  
4 marbles.



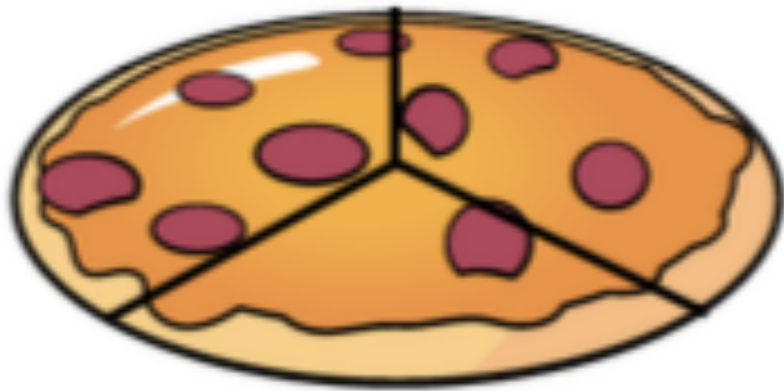
This is incorrect,  
one quarter means  
4 equal groups not  
just 4  
One quarter of the  
marbles would be  
5

Do you agree? Explain why.



# Varied Fluency

Three friends are sharing a pizza.



The pizza is split into \_\_\_\_\_ equal parts.

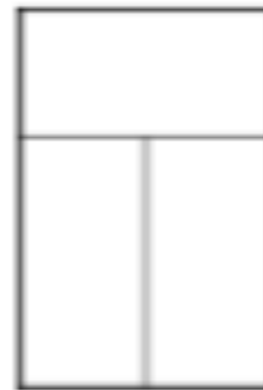
Each part is worth a \_\_\_\_\_.

This is the same as



# Varied Fluency

Shade  $\frac{1}{3}$  of each shape.



What is the same? What is different?

# Varied Fluency

Which shapes represent one third?



Explain why the other circles do not represent one third.

# Varied Fluency

5 Ron cuts up some fruit.

[No Title]



banana



apple



melon

- a) Has the banana been cut into thirds?  
How do you know?

---

- b) Which fruit has been cut into thirds?

---

- c) Which fruit has been cut into halves?

---

# Reasoning

Dora says,



I have one third of a pizza because I have one slice and there are three slices left.

Do you agree? Explain your reasoning.

Dora is incorrect. She has one quarter of a pizza because there were four slices altogether and she has one of them. There would need to only be three slices altogether for her to have one third.

# Reasoning



$\frac{1}{3}$  is greater than  $\frac{1}{2}$   
because 3 is  
greater than 2

Is Alex correct? \_\_\_\_\_

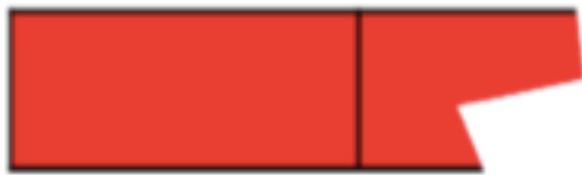
Draw a picture to show your answer.

A large, empty rounded rectangle with a blue border, intended for the student to draw a picture to show their answer.

# Problem Solving

Alex, Annie and Whitney each show a piece of ribbon.

Whitney shows  $\frac{1}{2}$  of her whole ribbon.



Alex shows  $\frac{1}{4}$  of her whole ribbon.



Annie shows  $\frac{1}{3}$  of her whole ribbon.



Whose whole piece is the longest?  
Whose is the shortest?  
Explain why.

Alex's piece will be the longest because she will have four parts altogether.

Whitney's piece will be the shortest because she will only have two parts.

# Independent Activity

**Create a poster all about third.**

**You could:**

**Draw some shapes and show a third of the shape.**

**Measure different lines and show where a third is.**

**Draw different objects and show a third of the objects.**

**Write a description about what a third is.**



Skill - I can find a  
third

Spring 2  
Week 4 - Lesson 4

# Rapid Recall

2 Times table

[https://www.youtube.com/watch?v=6RHvIUry\\_uc](https://www.youtube.com/watch?v=6RHvIUry_uc)

3 Times table

<https://www.youtube.com/watch?v=70aG99v704k>

# Big Question

$$\frac{1}{2} \text{ of } 20 = \frac{1}{3} \text{ of } 30$$

*Convince me!*

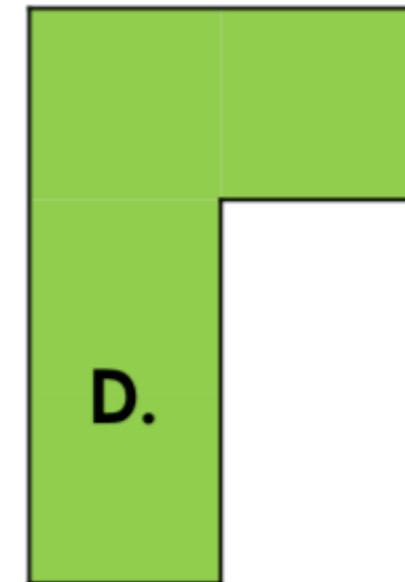
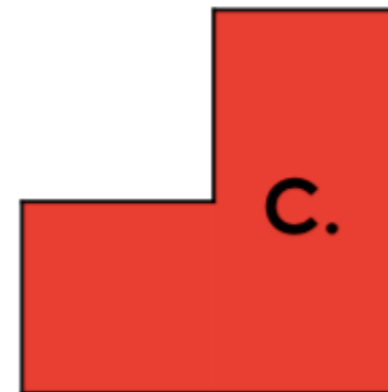
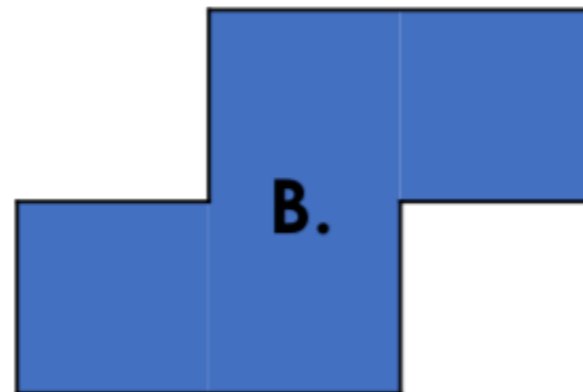
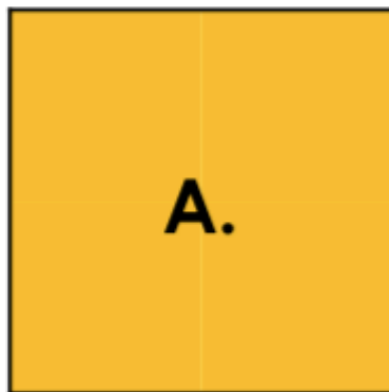
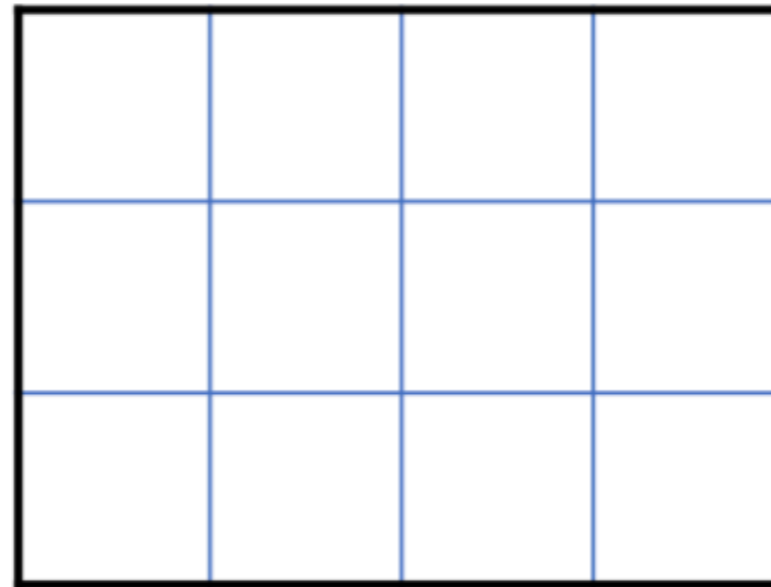
# Varied Fluency

<https://classroomsecrets.co.uk/year-2-find-a-third-iwb-fractions-activity/>

Work through the 3 different activities.

# Group activity

1. Investigate which shapes are one third of the rectangle below. Explain why.



# Group activity

2. Josh, Mia and Jess are getting ready for a party and have a tray of objects each. Use the table to investigate which child has a third of each item.



Josh



Mia



Jess



Name of item	Total number of Items	One third of item	Name of child who has a third
Cupcakes			
Bouncy balls			
Party hats			

# Group activity answers

2. Josh, Mia and Jess are getting ready for a party and have a tray of objects each. Use the table to investigate which child has a third of each item.



Josh



Mia



Jess



Name of item	Total number of items	One third of item	Name of child who has a third
Cupcakes	18	6	Jess
Bouncy balls	6	2	Josh
Party hats	12	4	Mia

# Independent

Complete:

$$\frac{1}{3} \text{ of } 9 = \square \quad \frac{1}{3} \text{ of } 15 = \square$$

$$\frac{1}{3} \text{ of } 12 = \square \quad \frac{1}{3} \text{ of } 18 = \square$$

Rosie is organising her teddy bears.  
She donates  $\frac{1}{3}$  of them to charity.  
How many bears does she have left?



Annie has a piece of ribbon.



She cuts it into three equal parts.

One third of the ribbon is 6 cm long.

How long would half the ribbon be?

**Alfie** has 15 pieces of chocolate. He eats  $\frac{1}{3}$  and says he has 11 pieces left. Is he correct? Explain your answer.