YEAR 3

Hi all you amazing Year 3 children. We hope that you have had a relaxing break over half-term. For our next focus for our home learning, we are moving away from the body and science and changing our focus to the world around us. We are going to explore some different countries in the coming weeks and trying to find out what they are like to live in. This week, we are going to focus on Brazil. Has anybody visited there before? Mrs Marks and I have not, but we do know some interesting facts about the country. Can you guess our favourite parts about the country?
Mrs Marks Mr Mills Miss Davenport

EVERY DAY

Daily Maths lessons - https://whiterosemaths.com/homelearning/. Watch the video and then try the questions linked to it. This is 30-40 minutes work. **This week is fractions and decimals.**

Hit the Button – 15-20 - https://www.topmarks.co.uk/maths-games/hit-the-button and use Mathletics to support the learning on White Rose- questions will be set linked to these videos.

Read for at least 15 minutes and complete an English task.

Additional tasks for this week (01/06/20)

English	Topic
Around the World **Monday and Tuesday** **https://www.youtube.com/watch?v=VTEJk8vPWFE** **https://www.natgeokids.com/uk/discover/geography/countries/country-fact-file-brazil/** Find out about Brazil. What is the country like? What do they have there? Create a fact page about the country. You decide what interests you. You could separate your page using subheadings, use illustrations and labels to give more detail to your reader and try using the skills you have been working on over the past few weeks to make your sentences even more interesting. Use the template and example below to give you some ideas. **Wednesday** Complete the reading comprehension which is all about Brazil. Once you have read the text, there are two different options of questions. The page with a red border is an easier version of the questions or if you are feeling more adventurous you could go for the questions with a green border. This set also needs the postcard from underneath. **Thursday** **https://www.pobble365.com/** **Go to 19th May using the pick a day tab in the top right of the page.** What would it be like flying over a country that you had never visited before? Using the picture above, imagine you are an eagle. You are going to fly over the Amazon rainforest. What can you see? What can you hear? What can you smell? **Friday** https://www.youtube.com/watch?v=sW1SWAN6zlQ Design a travel poster about going to Brazil. What should people do when they get there? What could they go and visit? What is going to attract them to the area? Think about how you would lay your poster out and what colours you would use to grab the reader's attention. Look at the examples below. Would you go to Italy after seeing that? Could you make your one even better?	During the week, please complete at least one of the following activities- **Geography** **https://www.google.co.uk/maps/place/Brazil/@-13.702797,-69.6865109,4z/data=!3m1!4b1!4m5!3m4!1s0x9c59c7ebcc28cf:0x295a1506f2293e63!8m2!3d-14.235004!4d-51.92528** Where is the Amazon Rainforest found? Is it found in just one country? Using an atlas, Google maps or another source, research and find out about its position in the world. **DT** Over the coming weeks, we will be exploring different countries. Create a world map so that you can plot the different places that we explore. You could use fabrics to create your own version. Drawing it or painting it would also work. Could you make a 3D version? **Art** Choose an animal from the rainforest. Draw a picture of it. Think about the different colours that it has and its unique features. Can you draw it on something or doing an action? Take a look at some of the examples below. You could use chalk or pastels if you have them. Water coloured pencils or pencil crayons work just as well. Keep getting creative with your own inventions or ideas and post them to Twitter@oldburypark.

Brazil Fact Sheet

Facts about Brazil

Capital City:

Population:

Currency:

Language:

Surrounding countries:

Someone famous from Brazil

A famous landmark in Brazil

Other facts about Brazil

BRAZIL

Brazil

The name Brazil comes from a tree named brazilwood. Brazil is the fifth largest country in the world both in terms of territory and population.

Brazil's population: Over 209 million.

The Amazon River

The Amazon River flows through Brazil, it is the 2nd longest river in the world (after the Nile).

Landmarks

One of the most well known landmarks in Brazil is the statue of Christ the Redeemer. It is located at the peak of the Corcovado Mountain in the Tijuca Forest National Park.

Language

Brazilians speak Portuguese because the country was claimed by Portugal in 1500. Brazil gained its independence in 1822.

Sport

Football (soccer) is the most popular sport in Brazil. Brazil has one of the best soccer teams in the world, winning the World Cup a record 5 times.

Did you know?

The Amazon Rainforest is home to many species including jaguars, sloths, macaws, anacondas, armadillos and toucans.

Rio Olympics

The Summer Olympic Games will be held in Rio de Janeiro, Brazil from the 5th to 21st of August 2016. This will be the first Olympic games to be held in South America.

Food

A popular dish in Brazil is called feijoada.The dish consists of a bean stew with meat, usually served with rice, cabbage and farofa.

The Amazon Rainforest

The Amazon rainforest is the largest tropical rainforest in the world, covering over five and half a million square kilometres (1.4 billion acres).

AROUND THE WORLD IN 80 DAYS

Destination: Brazil

What is there to see in Brazil?

Many people think that **Rio de Janeiro** is the capital city of Brazil. This was the case up until 1960, when the capital city became Brasilia. Rio, however remains the most famous city in Brazil, and is one of the most beautiful in the world.

Millions of tourists visit the city each year to see some of its wonderful sites. If you ever visit, you could:

- Walk up to **The Statue of the Christ** - a 38m tall statue overlooking the majestic bay.
- Take a cable car onto the **Sugar Loaf Mountain**.
- Catch some sun on some of the city's glorious beaches, such as the **Copacabana** or **Ipanema**.
- Take part in the world-famous carnival, an annual celebration of Brazilian culture.

In 2016, the city will host the **Olympic Games**. It certainly is an exciting time to live in Rio!

Rio2016

The Amazon Rainforest, also known as Amazonia, is the largest tropical rainforest in the world. Over half of it is in Brazil, but it is also in other South American countries such as Peru and Colombia. One in five of the world's bird species live in the rainforest, as well as some deadly creatures such as the anaconda, jaguar and cougar. Wildlife and vegetation thrives because of the hot and humid conditions – it rains almost every day in the rainforest. The River Amazon, the second longest river in the world, flows through Amazonia.

Iguazu Falls has amazed tourists and locals for centuries. There are 275 individual drops on the falls, cascading magnificently from a height of almost 100m. The falls divide the lower and upper parts of the Iguazu River on the border of Brazil and Argentina. The name of the falls originates from the Tupi or Guarani language, and means "big water".

AROUND THE WORLD IN 80 DAYS

Destination: Brazil

QUESTIONS

1) What makes the city of Rio so beautiful?

_____

2) Why might many people think that Rio is the capital city of Brazil?

_____

3) What should I avoid in Rio if I'm scared of heights?

_____

4) Why is it an exciting time to live in Rio?

_____

5) Apart from Brazil, where else could I find the Amazon Rainforest?

_____

6) Why is there so much vegetation in the Amazon Rainforest?

_____

7) Why do you think tourists are so amazed by Iguazu Falls?

_____

8) What does Iguazu mean?

_____

9) Where in Brazil would you like to visit most and why?

_____

_____

_____

EXTENSION: Write a postcard to someone at home telling them about your trip to Brazil. Use information from the text to help you. Draw pictures from your trip on the other side.

AROUND THE WORLD IN 80 DAYS

Destination: Brazil

QUESTIONS

1) When did Brasilia become the capital of Brazil?

_____

2) What method of transport would I use to get up Sugar Loaf Mountain?

_____

3) Can you name two beaches in Rio de Janeiro?

_____

4) Why is it an exciting time to live in Rio?

_____

5) Apart from Brazil, where else could I find the Amazon Rainforest?

_____

6) By what other name is the Amazon rainforest known?

_____

7) What is the second longest river in the world?

_____

8) What does Iguazu mean?

_____

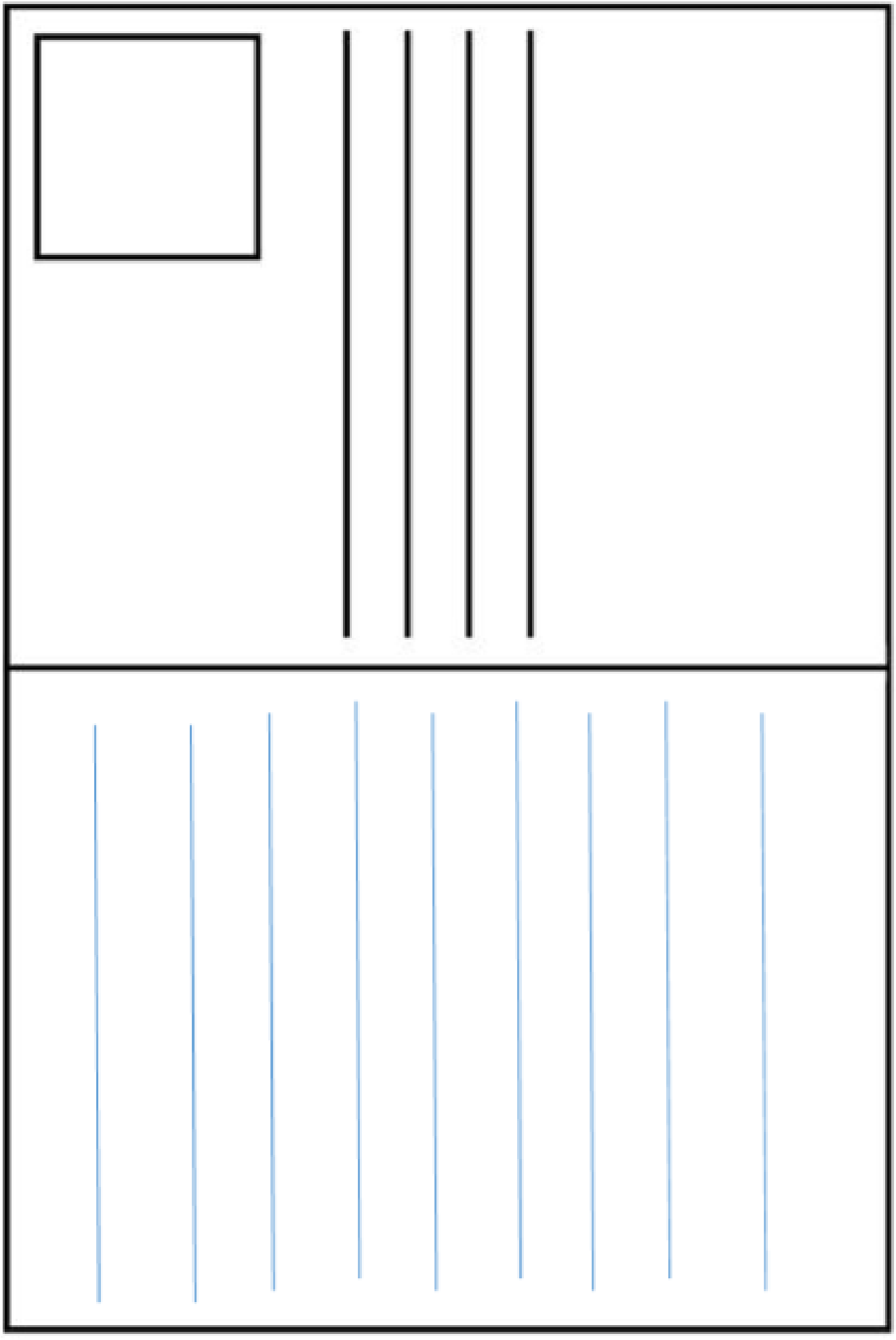
9) Where in Brazil would you like to visit most and why?

_____

_____

_____

EXTENSION: Write a postcard to someone at home telling them about your trip to Brazil. Use information from the text to help you. Draw pictures from your trip on the other side.



Posters and Leaflets

Short, snappy sentences/phrases

An eye catching layout

A catchy slogan

Something to offer

Attention grabbing pictures or photographs

A final reminder of the product or message

Investigate Incredible Italy

Where the sun always shines!

What are you waiting for?
Book your dream holiday today!

Enjoy the taste of authentic home-cooked Italian food.

Are you brave enough to climb Mount Vesuvius?

Relax by strolling along our beautiful golden beaches.

Explore the culture and heritage of our fascinating country.

Map of the World

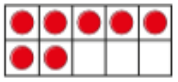
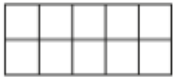

South America
ATLANTIC OCEAN
PACIFIC OCEAN
THERN OCEAN


Arctic Ocean
North America
Europe
Asia
Atlantic Ocean
Africa
Pacific Ocean
South America
Indian Ocean
Southern Ocean
Antarctica

Lesson 1

Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
	1 tenth		0.1
		$\frac{7}{10}$	
			0.3
	5 tenths		

2 Match each bar model to the equivalent decimal.

0.8

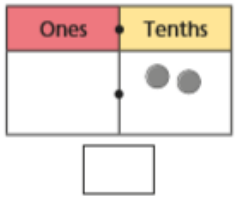
0.6

0.4

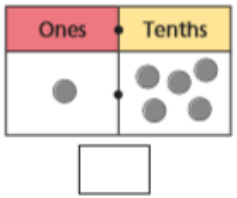
3 Mo is using a place value chart to represent numbers.

Write each number as a decimal.

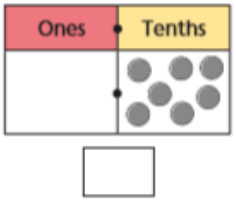
a)



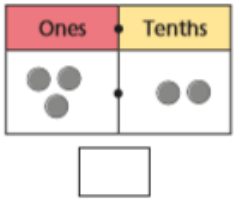
c)



b)

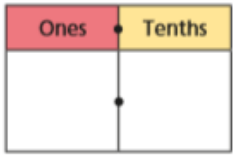


d)



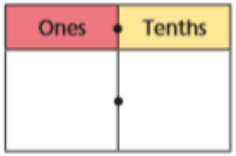
4 Draw counters to represent the numbers.

a) 0.3



c) 1.3

b) 3

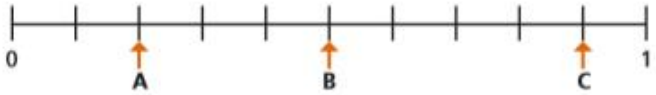


d) 3.1

5 Continue the pattern.

$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths				

6 What decimal is each arrow pointing to?

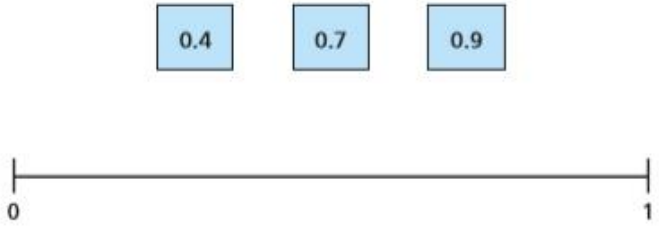


A = ☐ B = ☐ C = ☐

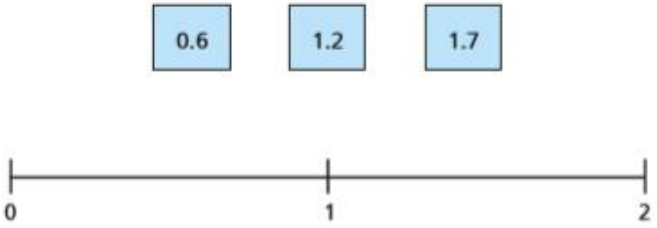
7 Estimate the position of the decimals on the number lines.

a)

b)



c)



8 Complete the statements.

a) $0.2 > \frac{\square}{10}$

b) $0.8 < \frac{\square}{10}$

c) ☐ tenths = 0.7

d) ☐ $= \frac{12}{10}$

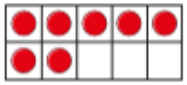
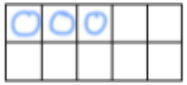
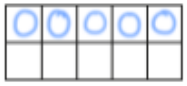
Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.

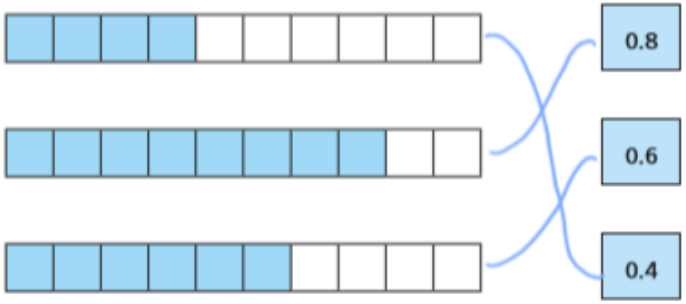
List all the possible numbers she could represent.

Tenths as decimals

1 Complete the table.

Representation	Words	Fraction	Decimal
	1 tenth	$\frac{1}{10}$	0.1
	7 tenths	$\frac{7}{10}$	0·7
	3 tenths	$\frac{3}{10}$	0.3
	5 tenths	$\frac{5}{10}$	0·5

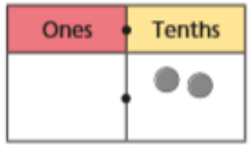
2 Match each bar model to the equivalent decimal.



3 Mo is using a place value chart to represent numbers.

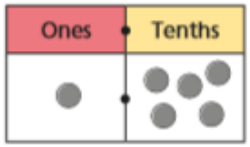
Write each number as a decimal.

a)



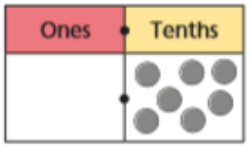
0·2

c)



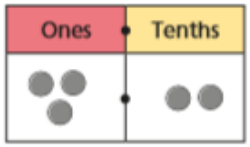
1·5

b)



0·7

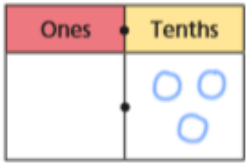
d)



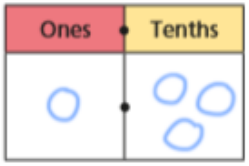
3·2

4 Draw counters to represent the numbers.

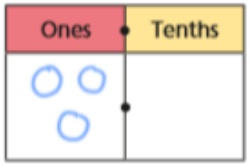
a) 0.3



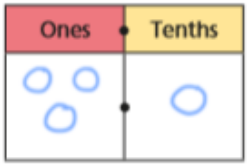
c) 1.3



b) 3



d) 3.1

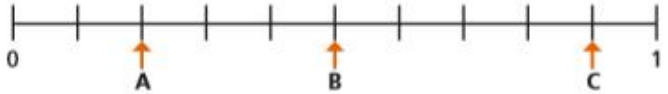


Lesson 1 Answers

5 Continue the pattern.

fraction	decimal	words	fraction	decimal
$\frac{1}{10}$	0.2	3 tenths	$\frac{4}{10}$	0.5
6 tenths	$\frac{7}{10}$	0.8	9 tenths	$\frac{10}{10}$
words	fraction	decimal	words	fraction

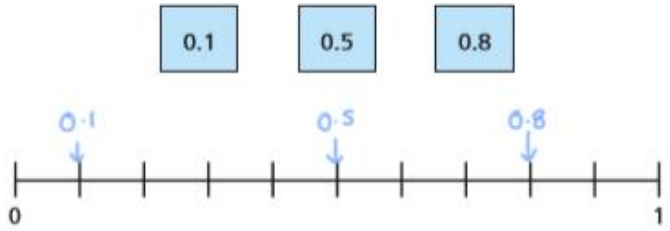
6 What decimal is each arrow pointing to?



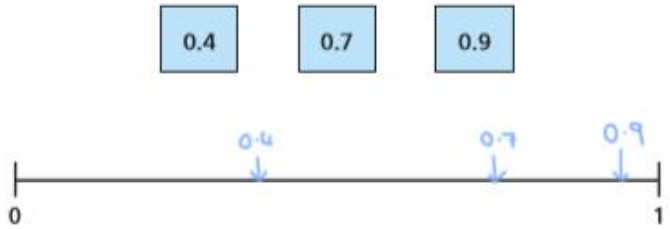
A = 0.2 B = 0.5 C = 0.9

7 Estimate the position of the decimals on the number lines.

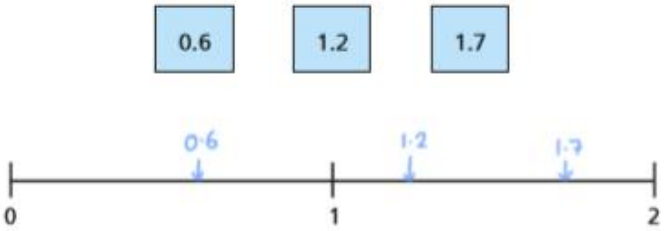
a)



b)



c)



8 Complete the statements.

a) 0.2 > $\frac{1}{10}$

b) 0.8 < $\frac{9}{10}$

c) 7 tenths = 0.7

d) 1.2 = $\frac{12}{10}$

Is there more than one answer for each?

9 Aisha places 6 counters onto this place value chart.

Ones	Tenths

List all the possible numbers she could represent.

0.6 1.5 2.4 3.3

4.2 5.1 6.0

Fractions on a number line

1 Draw an arrow to show the fractions on the number lines.

a) $\frac{1}{2}$

b) $\frac{1}{3}$

c) $\frac{1}{4}$

Are your answers accurate or are they estimates?

2 Write <, > or = to compare the fractions.

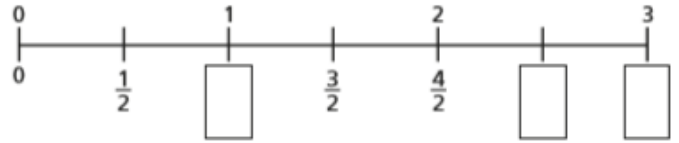
a) $\frac{1}{2}$ ◯ $\frac{1}{4}$

b) $\frac{1}{4}$ ◯ $\frac{1}{3}$

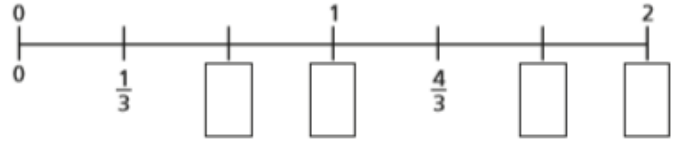
c) $\frac{1}{3}$ ◯ $\frac{1}{2}$

3 Write the missing fractions on the number lines.

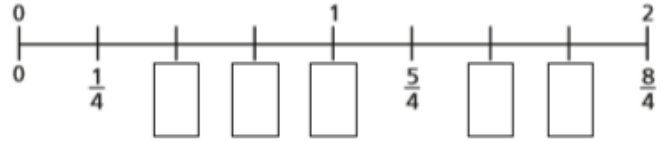
a)



b)



c)



d) Write three fractions that are equivalent to one whole.

Use the number lines to help you.

What do you notice?

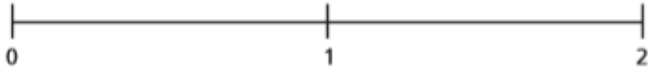
Talk about it with a partner.

Lesson 2

4 Draw an arrow to estimate where each fraction belongs on the number line.

a) $\frac{3}{4}$

b) 1 and $\frac{2}{3}$



5 Write each fraction under the correct heading.

$\frac{2}{3}$ $\frac{4}{4}$ $\frac{5}{3}$ $\frac{1}{8}$ $\frac{3}{3}$

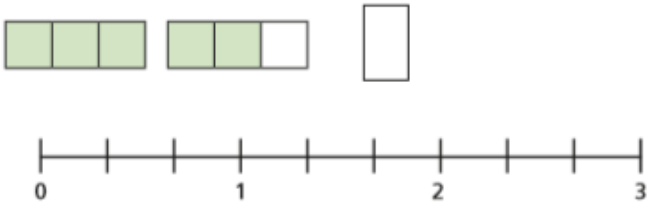
$\frac{3}{4}$ $\frac{7}{4}$ $\frac{8}{8}$ $\frac{7}{8}$

Less than one whole	Equal to one whole	More than one whole

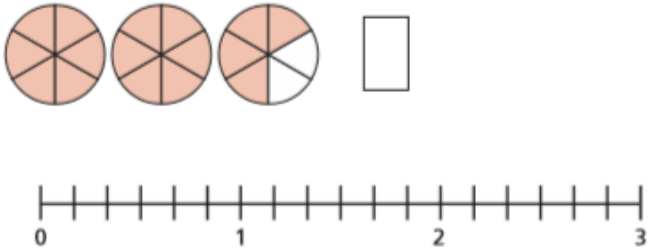
6 What fraction is shown in each diagram?

Draw an arrow to show the fraction on the number line.

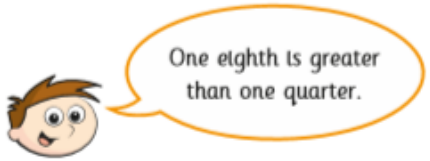
a)



b)



7



Do you agree with Teddy? _____

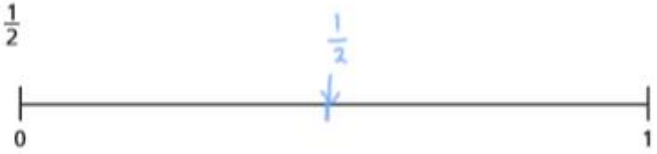
Use the number line to show why.

Lesson 2 Answers

Fractions on a number line

1 Draw an arrow to show the fractions on the number lines.

a) $\frac{1}{2}$



b) $\frac{1}{3}$

b) $\frac{1}{4}$

Are your answers accurate or are they estimates?

2 Write <, > or = to compare the fractions.

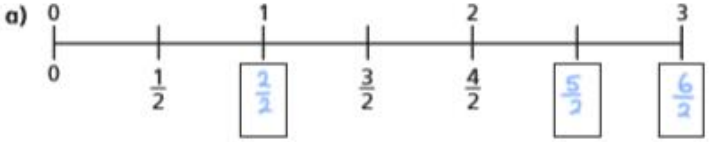
a) $\frac{1}{2}$ (>) $\frac{1}{4}$

b) $\frac{1}{4}$ (<) $\frac{1}{3}$

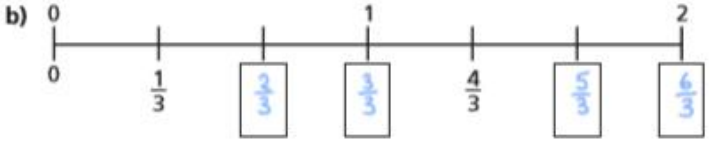
c) $\frac{1}{3}$ (<) $\frac{1}{2}$

3 Write the missing fractions on the number lines.

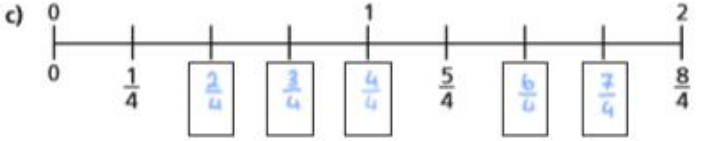
a)



b)



c)



d) Write three fractions that are equivalent to one whole.

Use the number lines to help you.

$\frac{4}{4}$ $\frac{3}{3}$ $\frac{2}{2}$

What do you notice?

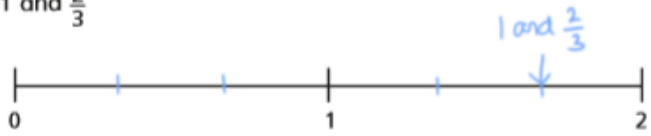
The numerator is equal to the denominator.

Talk about it with a partner.

4 Draw an arrow to estimate where each fraction belongs on the number line.

a) $\frac{3}{4}$

b) 1 and $\frac{2}{3}$



5 Write each fraction under the correct heading.

$\frac{2}{3}$ $\frac{4}{4}$ $\frac{5}{3}$ $\frac{1}{8}$ $\frac{3}{3}$

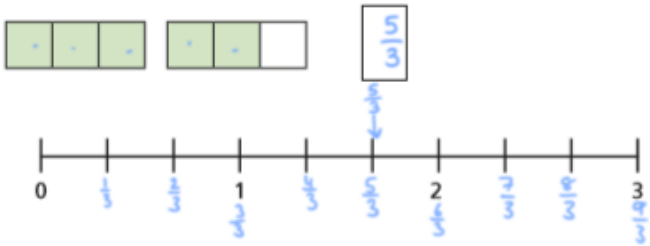
$\frac{3}{4}$ $\frac{7}{4}$ $\frac{8}{8}$ $\frac{7}{8}$

Less than one whole	Equal to one whole	More than one whole
$\frac{2}{3}$ $\frac{3}{4}$ $\frac{1}{8}$ $\frac{7}{8}$	$\frac{4}{4}$ $\frac{8}{8}$ $\frac{3}{3}$	$\frac{7}{4}$ $\frac{5}{3}$

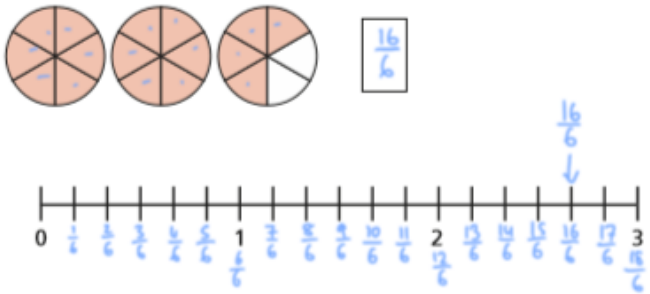
6 What fraction is shown in each diagram?

Draw an arrow to show the fraction on the number line.

a)



b)



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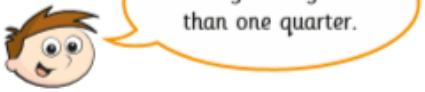


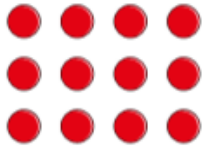
Do you agree with Teddy? NO

Use the number line to show why.

Lesson 3

Fractions of a set of objects (1)

1 Here are some counters.



a) Circle $\frac{1}{4}$ of the counters.

b) How many counters did you circle? ☐

c) What is $\frac{1}{4}$ of 12? ☐

2 Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

a) $\frac{1}{2}$ of 8 = 4

b) $\frac{1}{2}$ of 16 = ☐

c) $\frac{1}{4}$ of 8 = ☐

d) $\frac{1}{4}$ of 16 = ☐

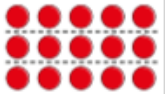
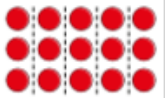
3

To find a half I need to divide by 2

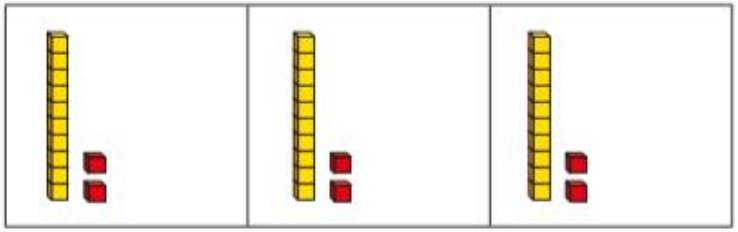
Do you agree with Dexter? _____

Talk about it with a partner.

4 Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter		$\frac{1}{4}$ of 8 = 2	
			
			

5 Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36



Use Huan's method to complete the calculations.

a) $\frac{1}{3}$ of 63 = ☐

c) $\frac{1}{4}$ of 92 = ☐

b) $\frac{1}{4}$ of 48 = ☐

6 Nijah uses a bar model and place value counters to find $\frac{1}{3}$ of 36

Use Nijah's method to complete the calculations.

a) $\frac{1}{3}$ of 96 = ☐

c) $\frac{1}{4}$ of 52 = ☐

b) $\frac{1}{5}$ of 60 = ☐

7 Which amount is greater? Tick your answer.

$\frac{1}{3}$ of £75	or	$\frac{1}{5}$ of £75

Show your workings.

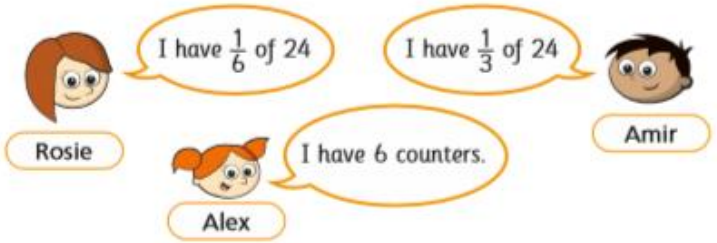
8 Complete the number sentences.

a) $\frac{1}{2}$ of ☐ = 30

c) $\frac{1}{5}$ of ☐ = 50

b) $\frac{1}{4}$ of ☐ = 20

9 Rosie, Amir and Alex each find a fraction of 24 using counters.



a) Order the children from least counters to most counters.

_____ _____ _____

least counters most counters

b) What fraction of the counters does Alex have? ☐

c) Rosie and Amir put their counters together.

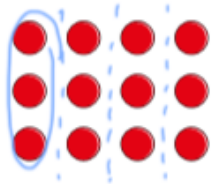
Write their total number of counters as a fraction of 24

☐

Lesson 3 Answers

Fractions of a set of objects (1)

1 Here are some counters.



a) Circle $\frac{1}{4}$ of the counters.

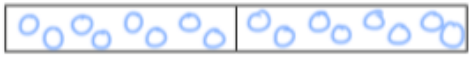
b) How many counters did you circle? 3

c) What is $\frac{1}{4}$ of 12? 3

2 Draw counters in the bar models to help you complete each number sentence. The first one has been done for you.

a) $\frac{1}{2}$ of 8 = 4

b) $\frac{1}{2}$ of 16 = 8



c) $\frac{1}{4}$ of 8 = 2

d) $\frac{1}{4}$ of 16 = 4

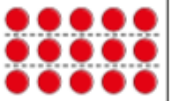
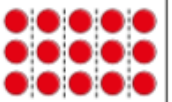
3

To find a half I need to divide by 2

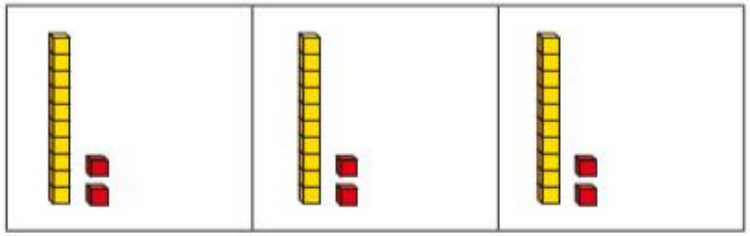
Do you agree with Dexter? yes

Talk about it with a partner.

4 Complete the table.

Fraction	Division	Example	Drawing
one half	divide by 2	$\frac{1}{2}$ of 6 = 3	
one quarter	divide by 4	$\frac{1}{4}$ of 8 = 2	
one third	divide by 3	$\frac{1}{3}$ of 15 = 5	
one fifth	divide by 5	$\frac{1}{5}$ of 15 = 3	

5 Huan uses a bar model and base 10 to find $\frac{1}{3}$ of 36



Use Huan's method to complete the calculations.

a) $\frac{1}{3}$ of 63 = 21

c) $\frac{1}{4}$ of 92 = 23

b) $\frac{1}{4}$ of 48 = 12

6 Nijah uses a bar model and place value counters to find $\frac{1}{3}$ of 36

Use Nijah's method to complete the calculations.

a) $\frac{1}{3}$ of 96 = 32

c) $\frac{1}{4}$ of 52 = 13

b) $\frac{1}{5}$ of 60 = 12

7 Which amount is greater? Tick your answer.

$\frac{1}{3}$ of £75 ✓ or $\frac{1}{5}$ of £75

$\frac{1}{3}$ of £75 = £25

$\frac{1}{5}$ of £75 = £15

Show your workings.

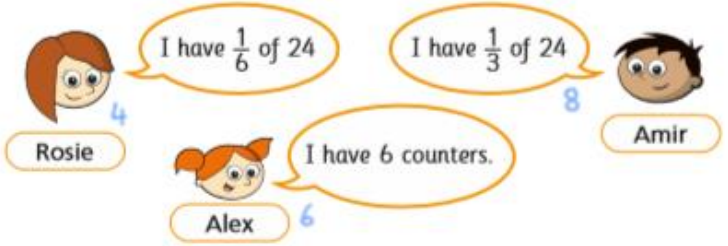
8 Complete the number sentences.

a) $\frac{1}{2}$ of 60 = 30

c) $\frac{1}{5}$ of 250 = 50

b) $\frac{1}{4}$ of 80 = 20

9 Rosie, Amir and Alex each find a fraction of 24 using counters.



a) Order the children from least counters to most counters.

Rosie, Alex, Amir

least counters — most counters

b) What fraction of the counters does Alex have? $\frac{6}{24} = \frac{1}{4}$

c) Rosie and Amir put their counters together.

Write their total number of counters as a fraction of 24

4 + 8 = 12

$\frac{12}{24}$

Fractions of a set of objects (2)

1 Draw counters in the bar models to help you complete each number sentence.

a) $\frac{2}{3}$ of 15 = ☐

b) $\frac{3}{4}$ of 8 = ☐

c) $\frac{2}{5}$ of 20 = ☐

2 Match the questions and answers.

$\frac{2}{3}$ of 9 = ?	9
$\frac{3}{5}$ of 15 = ?	6
$\frac{5}{6}$ of 12 = ?	15
$\frac{3}{4}$ of 20 = ?	10

3 What is $\frac{6}{6}$ of 18? ☐

How do you know?

4 Brett uses a bar model and base 10 to find $\frac{2}{3}$ of 36

Use Brett's method to complete the number sentences.

a) $\frac{2}{3}$ of 63 = ☐

b) $\frac{3}{4}$ of 48 = ☐

c) $\frac{3}{4}$ of 92 = ☐

5 Kim uses a bar model and place value counters to find $\frac{2}{3}$ of 36

Use Kim's method to complete the number sentences.

a) $\frac{2}{3}$ of 96 = ☐

b) $\frac{3}{5}$ of 60 = ☐

c) $\frac{3}{4}$ of 52 = ☐

Lesson 4

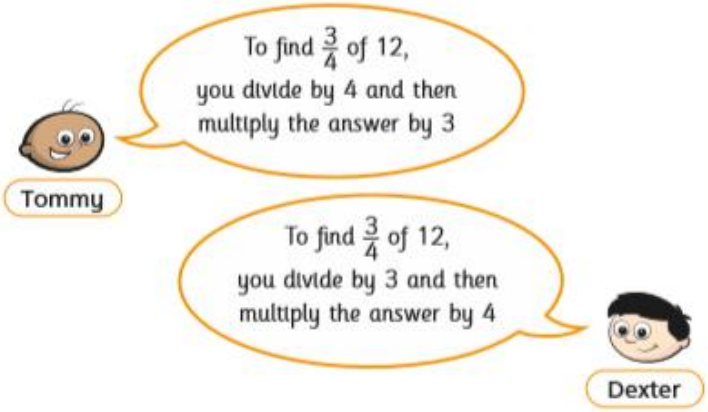
6 Complete the number sentences.

a) $\frac{2}{3}$ of ☐ = 30

b) $\frac{3}{4}$ of ☐ = 30

c) $\frac{5}{6}$ of ☐ = 30

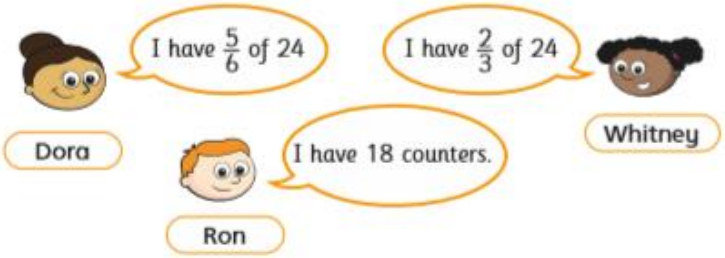
7



Who is correct? _____

How do you know? Show your working.

8 Dora, Whitney and Ron each find a fraction of 24 using counters.



a) Who has the most counters? Show your workings.

_____

b) How many more counters does Dora have than Whitney?

☐

9 Write fractions to make the statements correct.

☐ of 36 < 18

☐ of 36 = 18

☐ of 36 > 18

How many different answers can you find for each?
Compare with a partner.

Lesson 4 Answers

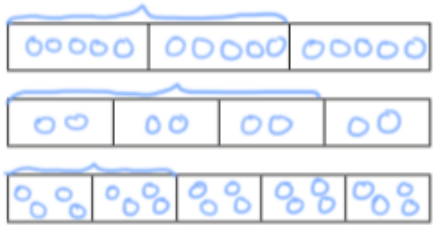
Fractions of a set of objects (2)

1 Draw counters in the bar models to help you complete each number sentence.

a) $\frac{2}{3}$ of 15 = 10

b) $\frac{3}{4}$ of 8 = 6

c) $\frac{2}{5}$ of 20 = 8



2 Match the questions and answers.

$\frac{2}{3}$ of 9 = ?	9
$\frac{3}{5}$ of 15 = ?	6
$\frac{5}{6}$ of 12 = ?	15
$\frac{3}{4}$ of 20 = ?	10

3 What is $\frac{6}{6}$ of 18?

18

How do you know?

4 Brett uses a bar model and base 10 to find $\frac{2}{3}$ of 36

Use Brett's method to complete the number sentences.

a) $\frac{2}{3}$ of 63 = 42

b) $\frac{3}{4}$ of 48 = 36

c) $\frac{3}{4}$ of 92 = 69

5 Kim uses a bar model and place value counters to find $\frac{2}{3}$ of 36

Use Kim's method to complete the number sentences.

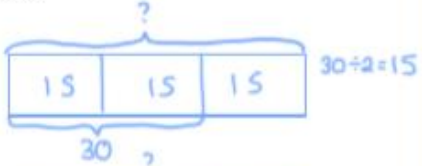
a) $\frac{2}{3}$ of 96 = 64

b) $\frac{3}{5}$ of 60 = 36

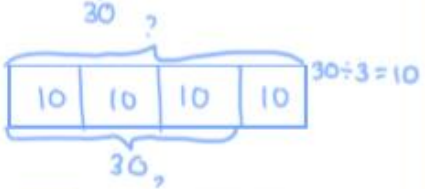
c) $\frac{3}{4}$ of 52 = 39

6 Complete the number sentences.

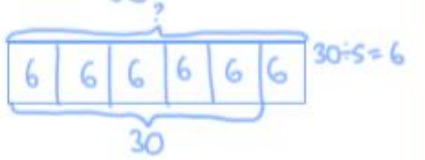
a) $\frac{2}{3}$ of [45] = 30



b) $\frac{3}{4}$ of [40] = 30



c) $\frac{5}{6}$ of [36] = 30



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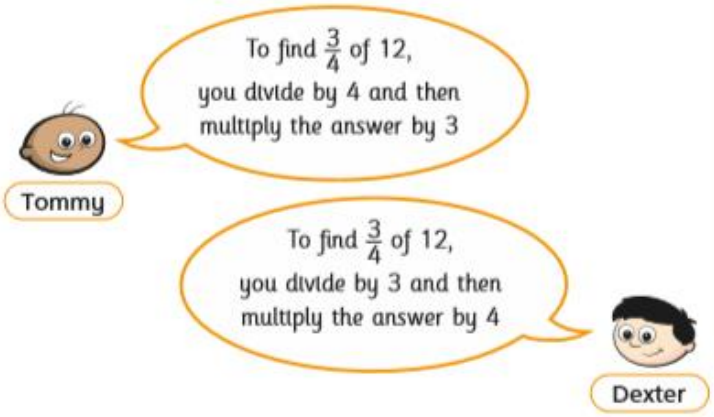
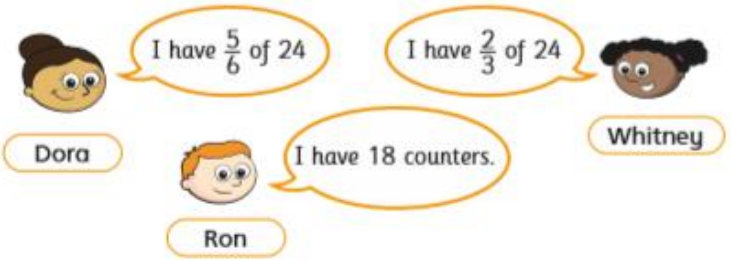


Who is correct? Tommy

How do you know? Show your working.

8 Dora, Whitney and Ron each find a fraction of 24 using counters.



a) Who has the most counters? Show your workings.

$\frac{5}{6}$ of 24 = 20 $\frac{2}{3}$ of 24 = 16

Dora

b) How many more counters does Dora have than Whitney?

20 − 16 = 4 [4]

9 Write fractions to make the statements correct.

e.g.

[$\frac{1}{6}$] of 36 < 18

[$\frac{1}{2}$] of 36 = 18

[$\frac{3}{4}$] of 36 > 18

How many different answers can you find for each?

Compare with a partner.