



Weekly learning pack

Year 6

English

Task 1

1. Read the start of a story

- Read *Opening*.
- What do we learn about the characters? Can you think of three important things that we learn about the narrator, Mum and Eric?

Task 1

Opening

Some years ago we had a foreign exchange student come to live with us. We found it very difficult to pronounce his name correctly, but he didn't mind. He told us to just call him 'Eric'.

We had repainted the spare room, bought new rugs and furniture and generally made sure everything would be comfortable for him. So I can't say why it was that Eric chose to sleep and study most of the time in our kitchen pantry.

'It must be a cultural thing,' said Mum. 'As long as he's happy.' We started storing food and kitchen things in other cupboards so we wouldn't disturb him.

But sometimes I wondered if Eric *was* happy; he was so polite that I'm not sure he would have told us if something bothered him. A few times I saw him through the pantry door gap, studying with silent intensity, and imagined what it must be like for him here in our country.

Task 2

2. Think about being an outsider

- Read *When Did I Feel Like an Outsider?*
- Are any of these situations familiar to you? Are there other times that you felt like an outsider?
- Write about a situation that made you feel like an outsider. Explain what happened and how you would describe your feelings.

Task 2

When did I feel like an outsider?

When meeting new relations
who I haven't met before.

At a party where I didn't know
many people.

In someone else's family.

In a new shop or restaurant
where people seem to know
their way around.

When starting a new sport.

After moving house or school.

When travelling to a new and
strange place.

Task 3

3. Listen to the whole story of Eric.

- Listen to the whole of the story of Eric and look carefully at the illustrations. Use the *PowerPoint Eric* or watch Ruth Merttens reading the book <https://www.youtube.com/watch?v=H71F0-QrpE>.
- Read *Story Talk Questions*. Think about your answers and then write some of them in clear sentences.

Task 3

Story Talk Questions

What did you like about the story? Is there anything that you disliked?

Does it remind you of anything you have ever read? Does it remind you of any situations or people in real life?

What patterns can you find in the story?

What puzzles or questions are you left with?

Task 4

Try the Fun-Time Extras

- Can you find out some more about Shaun Tan? You could start at this website:
<http://www.shauntan.net/books.html>
- Can you interview other people to find out about the strangest visitor they've ever had to their house?

Maths

For the following maths slides, there is an online lesson and answers that you can find at:




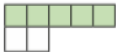
<https://whiterosemaths.com/homelearning/year-6/>

Task 1

Introducing the ratio symbol

White
Rose
Maths

- 1 The ratios show shaded parts to non-shaded parts.
Match the ratios, statements and bar models.

2:3	five to two	
5:2	three to two	
2:5	two to three	
3:2	two to five	

- 2 



The ratio of purple to yellow is 5:4

Mo

It is 4:5



Alex

Who is correct? _____

Explain your answer.

- 3 Dani has some counters, cubes and marbles.
Complete the sentences.

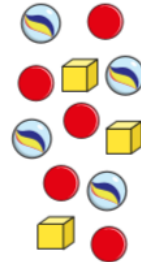
The ratio of counters to marbles is :

The ratio of marbles to cubes is :

The ratio of cubes to counters is :

The ratio of counters to cubes is :

The ratio of counters to cubes to marbles is : :



- 4 Brett has drawn some triangles and squares.

The ratio of triangles to squares is 1:3

a) Are there more triangles or more squares? _____

Explain how you know.

b) Brett has drawn more than 10 shapes.

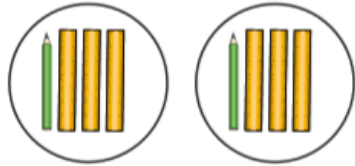
Draw what Brett might have drawn.

Watch Lesson:

Lesson 1 in the Week 10 Section

Task 1

- 5 Here are some rulers and some pencils.



a) What is the ratio of pencils to rulers?

:

b) Here are some more rulers and pencils.



Ron

The ratio of pencils to rulers is the same as in part a).



Dora

Ron is wrong because there are more pencils and more rulers.

Who is correct? _____

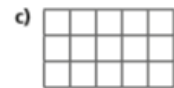
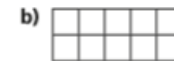
Explain your answer.

- 6 The ratio of horses to chickens in a field is 2:5

Here are the horses. Draw the chickens.



- 7 Shade squares so that the ratio of shaded to non-shaded squares is 1:4



- 8 A box contains dark, white and milk chocolates.

$\frac{3}{8}$ of the box are dark chocolates.

$\frac{1}{2}$ of the box are milk chocolates.

The rest are white chocolates.

What does each ratio represent?

a) 1:3

b) 4:1

c) 3:5

Task 2

Calculating ratio

White
Rose
Maths

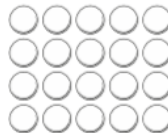
- 1 Eva is baking cakes and cookies.
For every 1 cake, she will bake 2 cookies.



a) If Eva bakes 3 cakes, how many cookies will she bake?

b) If Eva bakes 10 cookies, how many cakes will she bake?

- 2 The ratio of red to yellow counters is 2:3
There are 20 counters in total.
How many counters of each colour are there?
You can colour the counters to help you.



yellow

red

- 3 Tom has 5 green cubes for every 3 yellow cubes.
He has 16 cubes in total.
Draw a diagram to represent this.

- 4 Esther is building a tower of cubes.
The ratio of red to yellow cubes is 3:1
The tower has 6 yellow cubes. How many red cubes are there?

- 5 Nijah plays 21 games of chess.
For every 2 games she wins, she loses 5 games.
How many more games does she lose than win?

Watch Lesson:

Lesson 2 in the Week 10 Section

Task 2

- 6 a) Huan is making a drink by mixing 1 part juice with 5 parts water.
Complete the table to show the amounts he would need to use.

Juice	Water
1 litre	5 litres
2 litres	
4 litres	
100 ml	
200 ml	
300 ml	
	30 litres
	750 ml

- b) Huan makes 1 litre 500 ml of drink in total.
How much juice and water does he need to use?

juice

water

- 7 A group of students study French or German in the ratio 3:7
- a) Which subject has the most students? _____
- b) Draw a diagram to represent this.

- c) There are 80 students in total.
How many more students study German than French?

- 8 Describe a situation for each bar model.



Compare answers with a partner.

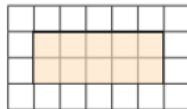
What is the same and what is different?



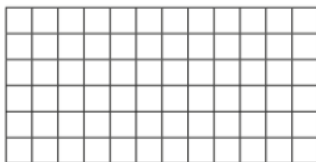
Task 3

Using scale factors

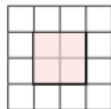
- 1 a) Here is a rectangle.



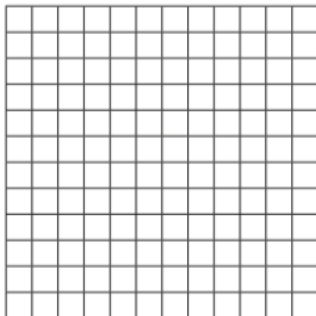
Draw another rectangle where each side is twice as big.



- b) Here is a square.

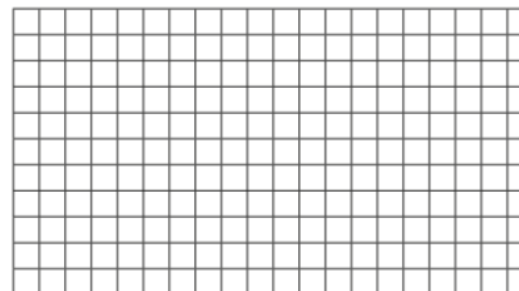
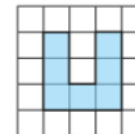
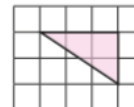


Draw another square where each side is 4 times as big.



- 2 a) Explain what it means for a shape to be enlarged by a scale factor of 2

- b) Enlarge the shapes by a scale factor of 2



- 3 Complete the sentence.

A shape in which each side has tripled in size has been enlarged by a scale factor of

Watch Lesson:

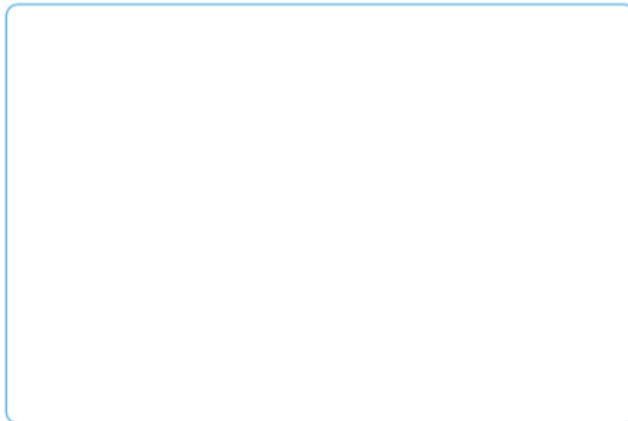
Lesson 3 in the Week 10 Section

Task 3

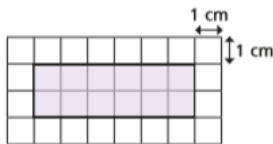
- 4 Here is a rectangle.



- a) Measure the side lengths of the rectangle and label them on the diagram.
 b) Enlarge the rectangle by a scale factor of 3 and label the side lengths.



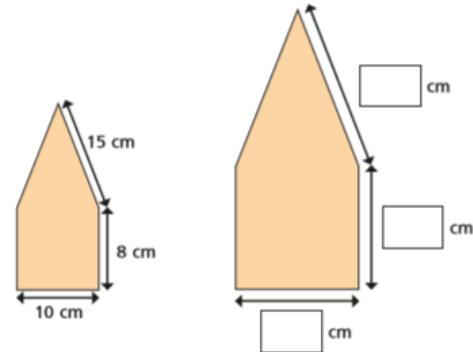
- 5 The sides of the rectangle are increased by a scale factor of 2. What is the perimeter of the new shape?



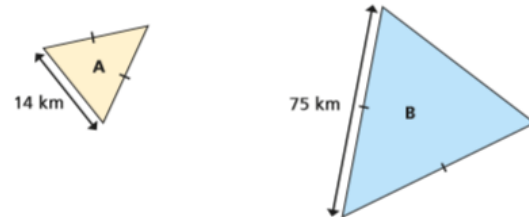
cm



- 6 The shape has been enlarged by a scale factor of $1\frac{1}{2}$. Fill in the dimensions of the new shape.



- 7 Triangle A has been enlarged by a scale factor of 5 to make triangle B. Find the perimeter of each triangle.



perimeter of A = perimeter of B =

Task 4

Ratio and proportion problems

White
Rose
Maths

1 Whitney buys 6 cans of lemonade for £3

a) How much do 12 cans cost?

b) How much do 3 cans cost?

c) How much do 15 cans cost?



2 The ratio of red to green grapes in a bowl is 3:1

a) Explain what this means.

b) There are 12 more red grapes than green grapes.
What is the total number of grapes in the bowl?

3 Amir is making some chocolate chip biscuits.
He has this list of ingredients to make 6 biscuits.

Chocolate chip biscuits (makes 6)

120 g butter

72 g sugar

180 g plain flour

60 g chocolate chips

a) How much of each ingredient does Amir need to make 2 biscuits?

butter g

plain flour g

sugar g

chocolate chips g

b) How much of each ingredient does Amir need to make 10 biscuits?

butter g

plain flour g

sugar g

chocolate chips g

c) Amir has 240 g of chocolate chips.

What is the maximum number of biscuits he can make?

Watch Lesson:

Lesson 4 in the Week 10 Section

Task 4

- 4 Dexter has some 20p and 50p coins in a jar.
For every three 20p coins he has one 50p coin.
There are 12 coins in the jar in total.
How much money is in the jar?

- 5 A drink is made using 3 parts orange juice to 2 parts lemonade.
Esther makes 1.2 litres of this drink.
How much orange juice does she need?

 ml

- 6 Two shops sell the same cereal but in different-sized boxes.

Shop A 500 g of cornflakes £2.10	Shop B 750 g of cornflakes £3.30
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Which shop is better value for money? Shop _____

Explain why.

- 7 Dora draws two similar rectangles.

My larger rectangle is 4 times the size of the smaller one.



The perimeter of the larger rectangle is 48 cm.

The length and width of both rectangles are even numbers.
What is the largest possible area for the small rectangle?

 cm²

- 8 Aisha has two boxes of sweets.
- In the first box, the ratio of red sweets to green sweets is 3 : 1
 - In the second box, for every 2 orange sweets there are 3 yellow sweets.
 - There is the same number of sweets in each box.
 - There are 12 yellow sweets in the second box.

How many sweets are in the first box?

Curriculum (Geography)

Task 1

Life in Barra Da Tijuca

Barra da Tijuca is a very wealthy neighbourhood with a high standard of living for its residents. It is well known for its beautiful beaches and luxurious lifestyle. It is a highly developed area, with gardens, shopping malls, schools, hospitals, apartment buildings and large mansions. Many celebrities live in this area. It has a high level of security, with many of the apartment buildings having their own security guard and gate. It is considered a very safe place to live. Some of the apartment blocks are known as 'neighbourhood condos'. Inside these huge buildings and within their grounds are spaces to work, playgrounds, spas, pools, gyms, coffee shops and social lounges, so residents have everything they need in one place, and don't have to leave if they don't want to!



I live in a high-rise apartment block with my family. We have an amazing view of the beach and ocean.

My family and I like to visit the large shopping malls in the area, or go to the cinema to see the latest films.

My school has lots of resources to help me get a good education. I work hard so I can get a good job when I am older.

My apartment block has a swimming pool and an area for me and my friends to meet up and hang out in.



If we do leave the neighbourhood, we never walk - we always travel by car.

We are quite far from the centre of Rio de Janeiro. We rarely travel and see other parts of our country.

Lots of roads have been built in Barra Da Tijuca. There can be a lot of traffic and it takes time to travel anywhere.

There are lots of great restaurants near where I live - my family and I eat in them often.

Task 1



Life in Rocinha

Rocinha is a favela, or shanty town. This type of neighbourhood is typically defined as a deprived area with large numbers of poorly made shacks. These areas are home to many people who have moved from the rural areas of Brazil and cannot afford to live anywhere else. They are built on the outskirts of the city, on the steep slopes of the hills. The shacks are built from whatever materials can be found, such as cardboard, wood and plastic sheeting. They often do not have running water or electricity. However, the Rocinha favela has been greatly improved in recent years. This is partly due to 'self-help schemes' where locals use their skills to improve the area they live in. Everyone helps each other, and a good community spirit has developed. The government has also provided some building materials. Today, most of the houses in Rocinha are made from bricks and concrete, and almost all have running water and electricity. Some homes even have cable tv, and there are shops, medicine stores and cafes in the area.

My home is at the top of a steep hill. It is small but cosy. We have a great view of the city as we are so high up.

Everyone is helping to improve Rocinha. There is a new shop and a cafe just around the corner from my home.

I love playing football with my friends in the streets - but we have to be careful as there are a lot of motorbikes that travel very fast.

My mum and dad both work long hours so that we have enough money for food and other things we need.



Everyone knows each other in my area - we have a good community where everyone looks out for one another.

Many of the streets in Rocinha are too narrow for bin lorries, so rubbish can end up on the streets unless we clear it away ourselves.

A school has just opened near my home. I want an education so I can get a good job when I grow up.

Crime and violence can be a problem in Rocinha. Thankfully, the area is much safer than it used to be a few years ago.

Task 1



First, read the information on the Life in Barra Da Tijuca and Life in Rocinha sheets.
Now, note down your answers to the headings in the boxes below.

Advantages to living in Barra Da Tijuca:



Disadvantages to living in Barra Da Tijuca:

Advantages to living in Rocinha:



Disadvantages to living in Rocinha:

Which of these neighbourhoods would you most like to visit, and why?

Science

Task 1

Go for a walk in your local area and see how many different organisms you can find.

The Organisms of our Local Environment	
plant	
mammal	bird
fish	reptile
amphibian	insect
mollusc	crustacean
arachnid	myriapod
echinoderm	annelid
micro-organism	



RE

Task 1

Cut out two sets of these cards and rank them, firstly by which beliefs or behaviours YOU think Should/should not help them go to heaven. Would all Muslims make the same choices if they were doing this exercise?

Then rank the second set by which beliefs or behaviours you think MUSLIMS would think should/should not help them go to heaven.

You can just write them on a piece of paper under the headings Should go to heaven/Should not go to heaven.

Zakah

Sawm

Friday Prayer

Belief in Allah

Hajj

Praying 5
times a day

Being honest

Working hard

Helping
people

Fighting
in a war

Suicide
bombing