

Name:

Date:



Science Assessment Year 2: Plants

1. Match the pictures to the sentences by drawing lines between them.



Fill the plant pot with soil.



Plant the seeds into the soil.



Using a watering can, water the seeds.



The seeds begin to sprout and grow.

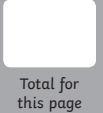


The plant grows and begins to flower.



Fruit then grows on the plant.

2. The pictures below are of the life cycle of a bean. Put the numbers 1-6 in the boxes to order the cycle.



3. Lucy had 4 of the same plant.

A: Put on the window sill in May and watered.



B: Put outside in January and watered.



C: Put in a dark cupboard and not watered.



D: Put on the window sill in May and not watered.



• Which plant would you expect to grow the most? Why?

• Which plant would you expect to grow the least? Why?

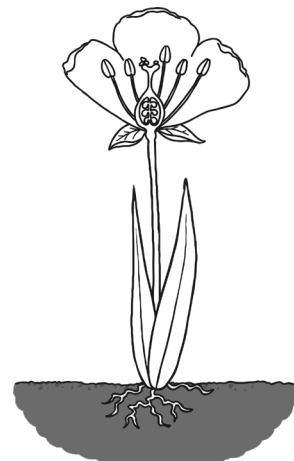
4. Draw a line to match the parts of a plant with their job.

Transports water to different parts of the plant.

Absorbs water and anchors the plant.

Makes food for the plant using sunlight.

Produces seeds.



2 marks

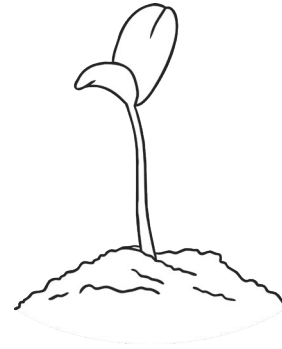
2 marks

4 marks

Total for this page

5. This plant hasn't grown. Give two reasons why this might have happened.

- _____
- _____



2 marks

6. Why do plants produce seeds?

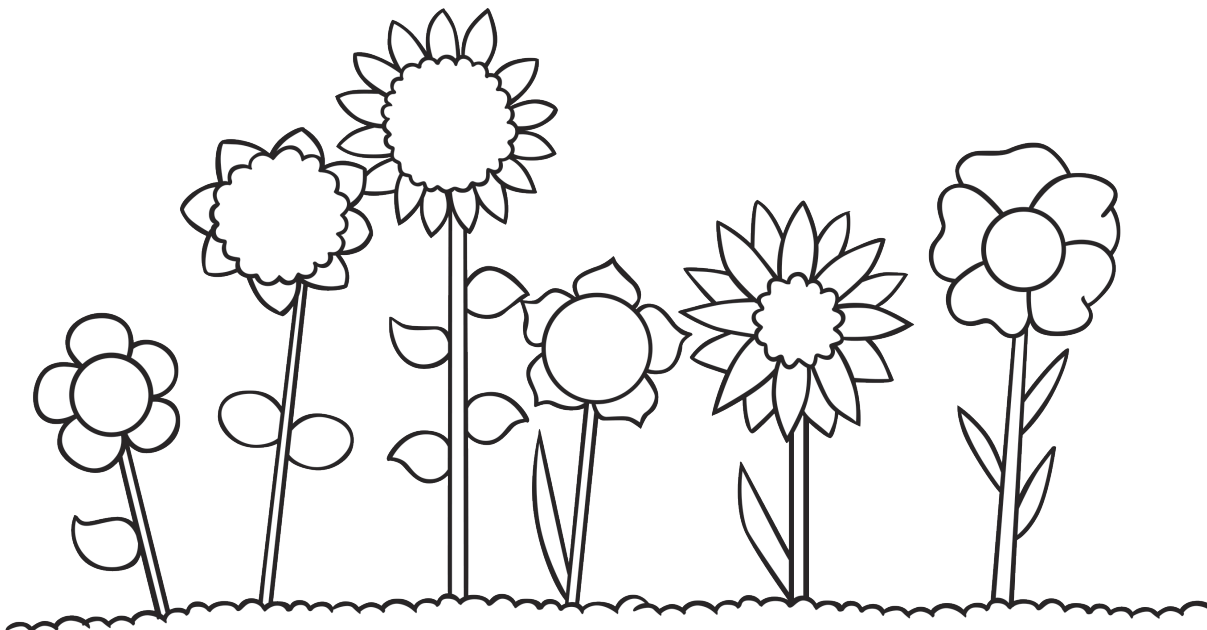
1 mark

7. Jack put some soil in a small pot. He planted the seeds and put the pot somewhere warm. The seeds did not grow. Why not?

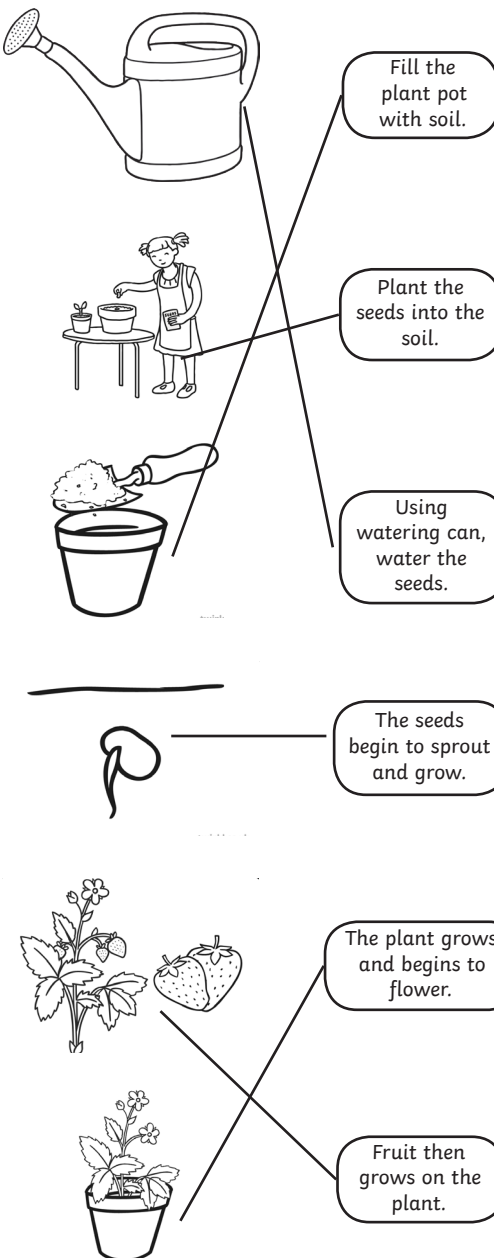

1 mark

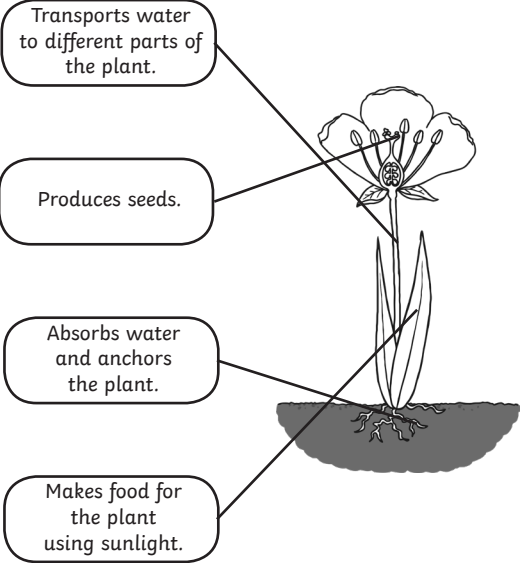
8. Why do seeds have a hard outer layer?

1 mark



Total for this page

question	answer	marks	notes
1. Match the pictures to the sentences by drawing lines between them.			
	 <p>Fill the plant pot with soil.</p> <p>Plant the seeds into the soil.</p> <p>Using watering can, water the seeds.</p> <p>The seeds begin to sprout and grow.</p> <p>The plant grows and begins to flower.</p> <p>Fruit then grows on the plant.</p>	6	1 mark for each correct match.
2. The pictures below are of the life cycle of a bean. Put the numbers 1-6 in the boxes to order the cycle.			
		6	1 mark for each correctly ordered picture.

question	answer	marks	notes
3. Lucy had 4 of the same plant. <ul style="list-style-type: none"> • Which plant would you expect to grow the most? Why? • Which plant would you expect to grow the least? Why? 			
	<p>A would be expected to grow the most. This is because it has the most amount of light and water.</p> <p>C would be expected to grow the least. This is because it has the least amount of light and water.</p> <p>Accept any suitable explanation.</p>	4	1 mark for each correct choice and 1 mark for each correct explanation.
4. Draw a line to match the parts of a plant with their job.			
		4	1 mark for each correct answer.
5. This plant hasn't grown. Give two reasons why this might have happened.			
	<p>Any two answers from the following:</p> <ul style="list-style-type: none"> • Not enough water • Too much water • Too hot • Too cold • Not enough light • Bad weather <p>Please accept other suitable answers.</p>	2	1 mark for each correct answer.

question	answer	marks	notes
6. Why do plants produce seeds?			
	To make more plants.	1	1 mark for the correct answer.
7. Jack put some soil in a small pot. He planted the seeds and put the pot somewhere warm. The seeds did not grow. Why not?			
	He did not water it.	1	1 mark for the correct answer.
8. Why do seeds have a hard outer layer?			
	<p>To protect it.</p> <p>Accept any suitable answer.</p>	1	1 mark for the correct answer.

Year 2 Maths Activity Mat

Section 1

$$6 \times 2 = \square \quad \square \div 2 = 8$$

$$3 \times 5 = \square \quad \square \div 2 = 5$$

Use these numbers to fill the boxes:

4, 8, 2

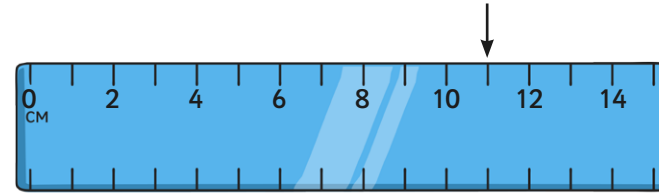
$$\square \div \square = \square$$

Section 2

I am a number. If you add 2 to me, then double the answer, you get 20. What am I?

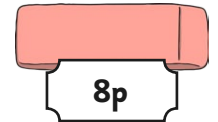
Section 3

What number would the arrow be pointing to?



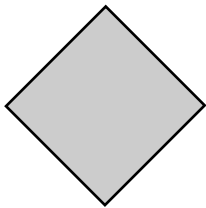
Section 4

Lucy wanted to buy some scissors and a rubber. How much would it cost her?



Section 5

Draw a line of symmetry.



Section 6

Sort the words that mean + or -

+	-

times take away minus
subtract add altogether
sum of less than

Section 7

Ed has been counting his marbles. He has put them into piles of 10. He has 9 piles. How many marbles does he have?



Section 8

There are 9 crayons in a red box and 16 in a blue box. Which box has more crayons. How many more?



Year 2 Maths Activity Mat: 3

Answers

Section 1

$$6 \times 2 = \boxed{12} \quad \boxed{16} \div 2 = 8$$

$$3 \times 5 = \boxed{15} \quad \boxed{10} \div 2 = 5$$

Use these numbers to fill the boxes:

4, 8, 2

$$\boxed{8} \div \boxed{2} = \boxed{4}$$

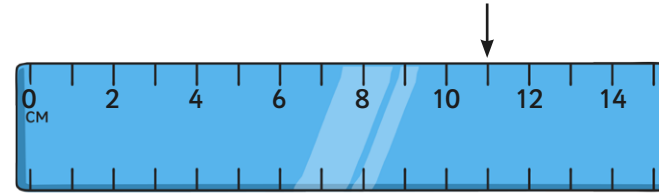
Section 2

I am a number. If you add 2 to me, then double the answer, you get 20. What am I?

8

Section 3

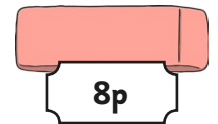
What number would the arrow be pointing to?



11

Section 4

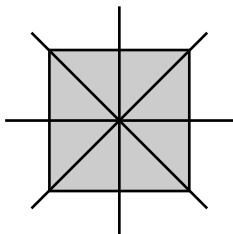
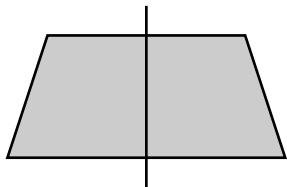
Lucy wanted to buy some scissors and a rubber. How much would it cost her?



38p

Section 5

Draw a line of symmetry.



Section 6

Sort the words that mean + or -

+	-
add altogether sum of	less than subtract takeaway minus

times take away minus
subtract add altogether

Section 7

Ed has been counting his marbles. He has put them into piles of 10. He has 9 piles. How many marbles does he have?



90

Section 8

There are 9 crayons in a red box and 16 in a blue box. Which box has more crayons. How many more?



**blue box
7 more**

Year 2 Maths Activity Mat

Section 1

$$5 \times 6 = \square \quad \square \div 5 = 4$$

$$8 \times 2 = \square \quad \square \div 6 = 3$$

Use these numbers to fill the boxes:

5, 15, 3

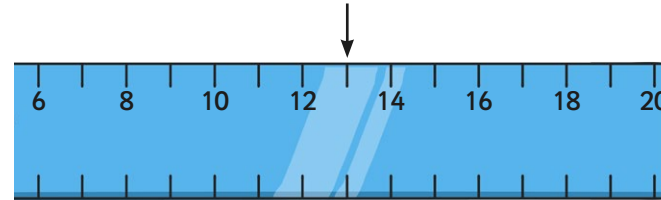
$$\square \div \square = \square$$

Section 2

I am a number. If you double me and add 3, the answer you get is 27. What am I?

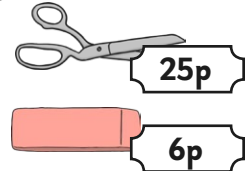
Section 3

What number would the arrow be pointing to?



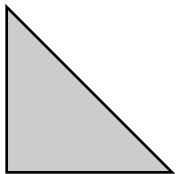
Section 4

Lucy wanted to buy some scissors and a rubber. How much would it cost her? How much change would she get from £1?



Section 5

Draw a line of symmetry for each shape.



Section 6

Sort the words that mean \times or \div

\times	\div

divide times multiply
lots of share product
equal groups of repeated addition

Section 7

Jasper the dog has 5 claws on each paw. How many claws will he have in total?



Section 8

A pirate found some treasure. He found 100 gold coins and had to share them between himself and 19 other pirates. How many gold coins would they each get?

Year 2 Maths Activity Mat: 3

Answers

Section 1

$$5 \times 6 = \boxed{30} \quad \boxed{20} \div 5 = 4$$

$$8 \times 2 = \boxed{16} \quad \boxed{18} \div 6 = 3$$

Answer:

$$\boxed{15} \div \boxed{5} = \boxed{3} \quad \text{or}$$
$$\boxed{15} \div \boxed{3} = \boxed{5}$$

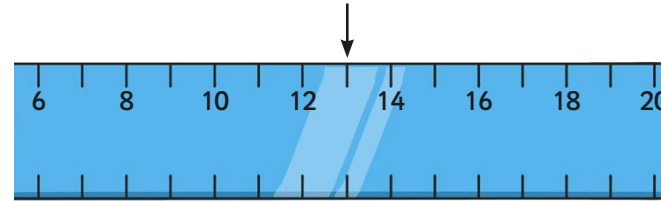
Section 2

I am a number. If you double me and add 3, the answer you get is 27. What am I?

12

Section 3

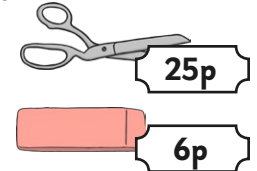
What number would the arrow be pointing to?



13

Section 4

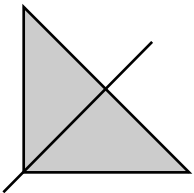
Lucy wanted to buy some scissors and a rubber. How much would it cost her? How much change would she get from £1?



31p
69p change

Section 5

Draw a line of symmetry for each shape.



Section 6

Sort the words that mean \times or \div

\times	\div
repeated addition multiply times lots of	divide share equal groups of

divide times multiply
lots of share product
equal groups of repeated addition

Section 7

Jasper the dog has 5 claws on each paw. How many claws will he have in total?



20

Section 8

A pirate found some treasure. He found 100 gold coins and had to share them between himself and 19 other pirates. How many gold coins would they each get?

5 gold coins

Year 2 Maths Activity Mat

Section 1

$$7 \times 5 = \square \quad \square \div 2 = 12$$

$$10 \times 4 = \square \quad \square \div 3 = 7$$

Choose 3 numbers to fill the boxes:

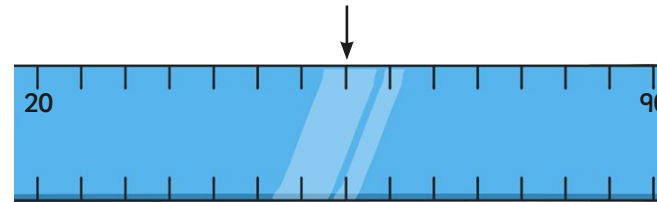
$$\square \div \square = \square$$

Section 2

I am a number.
I multiply myself by 10.
I add 6.
The answer I get is 76.
What am I?

Section 3

What number would the arrow be pointing to?



Section 4

Jai went to the shop with £2.50. Which items could she buy?



.....
.....

Section 5

Draw two different 2D shapes.
Then draw the lines of symmetry on the shapes.

Section 6

Write down as many words as you can that mean x and ÷.

.....
.....
.....
.....
.....

Section 7

On an aeroplane, people sit in rows of 7. How many people could sit in 4 rows?



Section 8

On one side of a road, there are 15 houses. On the other side, there are 16. How many houses are in the street? What strategy did you use to work this out? Is there a more effective way?

Year 2 Maths Activity Mat: 3

Answers

Section 1

$$7 \times 5 = \boxed{35} \quad \boxed{24} \div 2 = 12$$

$$10 \times 4 = \boxed{40} \quad \boxed{21} \div 3 = 7$$

Choose 3 numbers to fill the boxes:

example:

$$\boxed{20} \div \boxed{5} = \boxed{4}$$

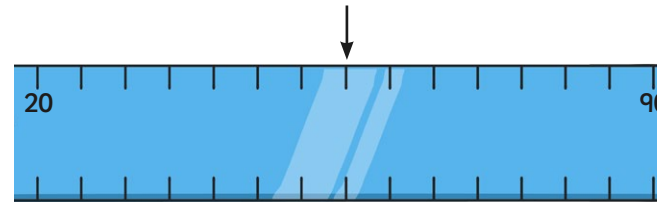
Section 2

I am a number.
I multiply myself
by 10.
I add 6.
The answer I get
is 76.
What am I?

7

Section 3

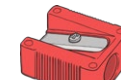
What number would the arrow be pointing to?



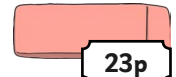
55

Section 4

Jai went to the shop with
£2.50. Which items could she
buy?



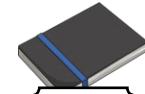
32p



23p



25p



£1.15



£1.20

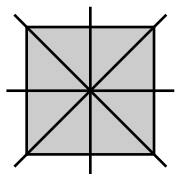
Any combination e.g.

notebook and crayons

Section 5

Draw two different 2D shapes.
Then draw the lines of symmetry
on the shapes.

E.g.



Section 6

Write down as many words
as you can that mean
x and ÷.

E.g. Times, multiply,

repeated addition,

divide, share, equal

groups of.

Section 7

On an aeroplane, people sit in
rows of 7. How many people
could sit in 4 rows?



28

Section 8

On one side of a road, there are 15
houses. On the other side, there are 16.
How many houses are in the street?
What strategy did you use to work this
out? Is there a more effective way?

31
Own method of working out.

Contractions Spelling Activity

1. Finish these statements. The first one has been completed for you.

I'll is short for **I will**.

it's is short for _____

you'll is short for _____

wouldn't is short for _____

he'll is short for _____

couldn't is short for _____

she'll is short for _____

shouldn't is short for _____

we'll is short for _____

haven't is short for _____

they'll is short for _____

you'd is short for _____

2. Now choose 3 of the words. Write each word into a sentence below.

Don't forget capital letters and full stops!

Contractions Spelling Activity

1. Finish these statements. The first one has been completed for you.

I will is contracted to **I'll**.

it is is contracted to _____

you will is contracted to _____

would not is contracted to _____

he will is contracted to _____

could not is contracted to _____

she will is contracted to _____

should not is contracted to _____

we will is contracted to _____

have not is contracted to _____

they will is contracted to _____

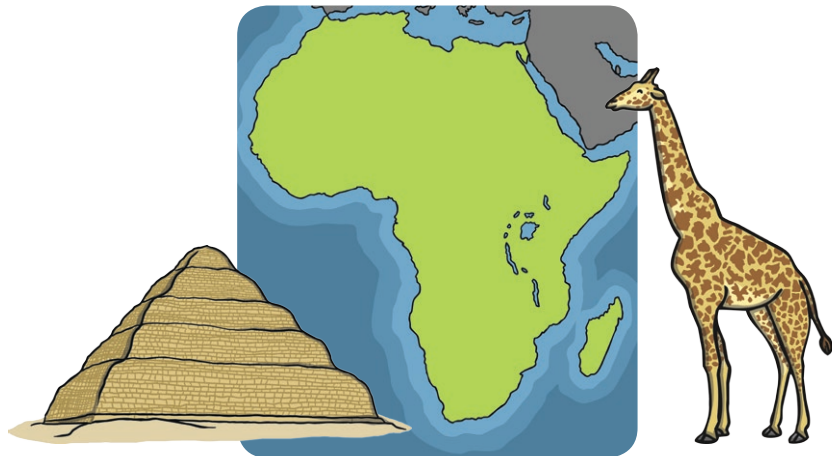
you would is contracted to _____

2. Now choose 3 of the words. Write each word into a sentence below.

Don't forget capital letters and full stops!

All about Africa

9 Africa is a continent which is bigger than the
17 United States of America, Canada and India put
26 together. Africa is home to 54 countries and more
34 than one billion people. In Northern Africa, you
43 can trek through the Sahara desert; it is the
53 largest and driest hot desert in the world. You can
61 also visit the world's longest river, The Nile.
71 Millions of people visit Africa on holiday to see its
79 famous pyramids and go on animal safaris. In
88 Africa, you will find some of the largest mammals
97 on the planet. Among them are the elephant, the
105 giraffe and the world's fastest land mammal, the
106 cheetah.



Quick Questions



1. Number these facts from 1 to 3 to show the order they appear in the text.

- You can trek through the Sahara desert.
- Millions of people visit the famous pyramids.
- Africa is home to 54 countries.



2. Find and copy two mammals from the text that you may find in Africa.



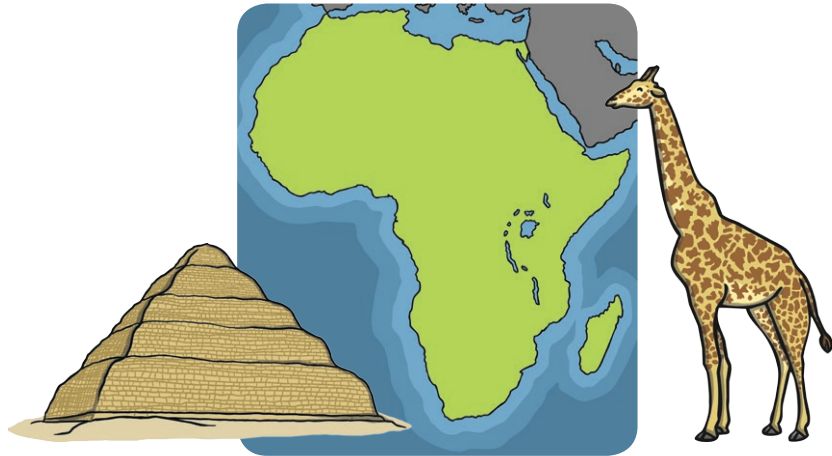
3. Why might people come to Africa to look at animals on a safari?



4. 'You can trek through the Sahara desert.'
In this sentence, what does 'trek' mean?

All about Africa

9 Africa is a continent which is bigger than the
17 United States of America, Canada and India put
26 together. Africa is home to 54 countries and more
34 than one billion people. In Northern Africa, you
43 can trek through the Sahara desert; it is the
53 largest and driest hot desert in the world. You can
61 also visit the world's longest river, The Nile.
71 Millions of people visit Africa on holiday to see its
79 famous pyramids and go on animal safaris. In
88 Africa, you will find some of the largest mammals
97 on the planet. Among them are the elephant, the
105 giraffe and the world's fastest land mammal, the
106 cheetah.



Answers



1. Number these facts from 1 to 3 to show the order they appear in the text.

- 2 You can trek through the Sahara desert.
- 3 Millions of people visit the famous pyramids.
- 1 Africa is home to 54 countries.



2. Find and copy two mammals from the text that you may find in Africa.

Accept any two from: elephants, giraffes and cheetahs.



3. Why might people come to Africa to look at animals on a safari?

Accept any sensible justification linked to the text, e.g. They might come to Africa because they want to see new and exotic animals that they could not see in their own country in the wild.



4. 'You can trek through the Sahara desert.'

In this sentence, what does 'trek' mean?

Accept any reasonable definition which refers to 'trek' as meaning walking/hiking, etc.