

Mathematics Workbook

Valid from September 2011 to August 2012

Functional Skills Qualification in Mathematics at Entry 2

Learner name

Learner signature and date

Work through the whole book.

- Answer every question.
- You can write or draw to show your answers in the workbook.
- You can use a calculator.

Your tutor may read the questions to you.

Ask your tutor if you do not understand any words.

You have up to 1 hour to complete the workbook.

Your tutor may give you objects to help you with the questions.

You will need:

- Pencil
- Ruler
- Rubber

Turn over ►

1 Planning a trip to a safari park

You want to go to a safari park in July.
The safari park has two types of ticket.

Standard tickets are for Saturdays, Sundays
and the last two days in July.
Cheap tickets are for all other days.

Here is a calendar for July.

July						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

How many cheap ticket days are there in July?

(2)

Write your answer in the box below.

You want to go to the safari park on a Wednesday.

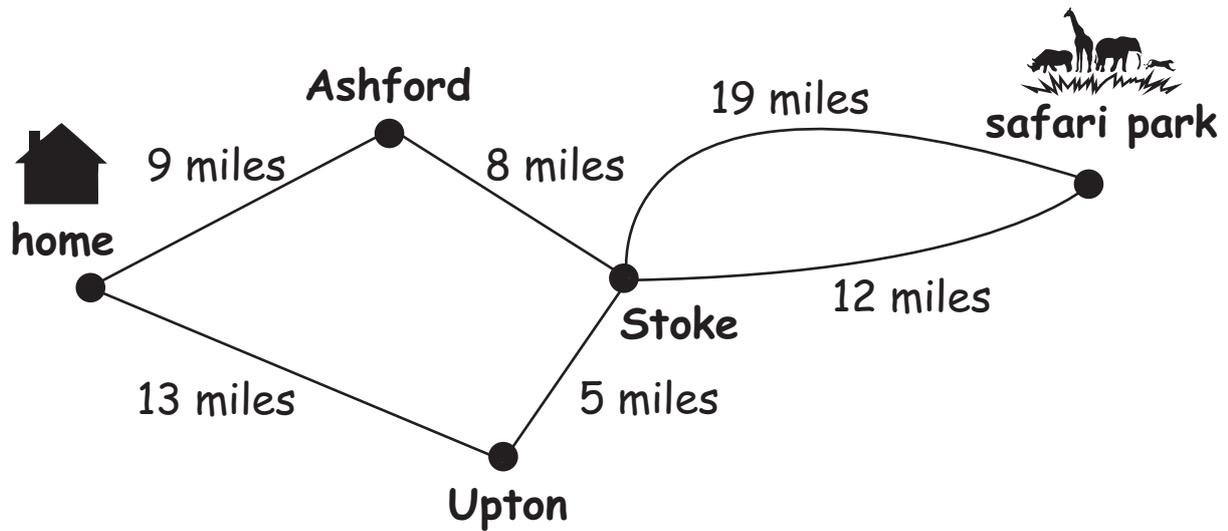
Which dates could you choose?

(1)

Tick (✓) all the possible dates on the calendar below.

July						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

The map shows some routes from your home to the safari park.



Choose one route from your home to the safari park.

(1)

Show your route on the map.

How many miles is your route in total?

(1)

Show how you get your answer in the box below.

You want to get to the safari park at 10 am.

You need 1 hour after you wake up to get ready before you leave home.

Then it takes 1 hour to get to the safari park from your home.

What time do you need to wake up?

(1)

Write your answer in the box below.

2 At the safari park

These are the prices to go in to the safari park.

adult ticket	£14
child ticket	£12
senior ticket	£12

There are two adults and two children in your group.

What is the total cost of two adult tickets and two child tickets?

(2)

Show how you get your answer in the box below.

There is a special offer at the safari park.

Come back tomorrow!
All tickets half price

Your group of two adults and two children want to come back tomorrow.

What is the total cost of tickets for your group using the half price offer?

(1)

Show how you get your answer in the box below.

What calculation could you do to check your answer?

(1)

Write your calculation in the box below.

The safari park has animal shows.

Here is a list of the animal shows and how long each show is on for in minutes.

animal show	minutes
sea lion	20
meerkat	30
reptile	35
parrot	15
falcon	30

Which animal show is on for the longest time?

(1)

Write your answer in the box below.

Which two animal shows are on for the same length of time?

(1)

Write your answers in the box below.

animal show	minutes
sea lion	20
meerkat	30
reptile	35
parrot	15
falcon	30

You go to the sea lion show and the reptile show.

How many minutes are the sea lion show and the reptile show on for in total?

(2)

Write your answer in the box below.

You watch the reptile show.

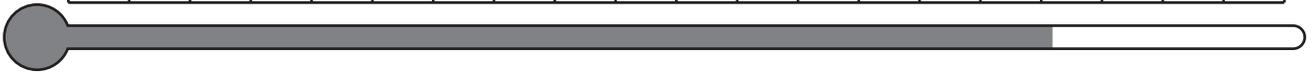
The reptiles live in a warm tank.

The thermometer shows the temperature inside the reptile tank.

Thermometer

°C

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40



What is the temperature to the nearest degree?

(1)

Write your answer in the box below.

The temperature outside is 21°C.

What is the difference between the temperature outside and the temperature in the reptile tank?

(1)

Write your answer in the box below.

You go and look at the elephants and the penguins.

This is the shape of the elephant enclosure.

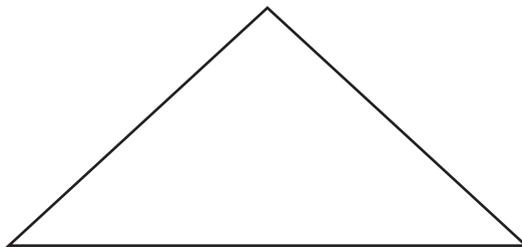


How many sides does this shape have?

(1)

Write your answer in the box below.

This is the shape of the penguin enclosure.



What is the name of this shape?

(1)

Write your answer in the box below.