

# Mathematics Workbook

**Valid from September 2011 to August 2012**

Functional Skills Qualification in Mathematics at Entry 3

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 30 minutes 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

Rita wants to go to a safari park in July.

The safari park has two types of ticket.  
There are standard tickets and cheap tickets.

In July standard tickets are for

- all Saturdays and Sundays
- all days from Monday 23rd onwards.

Cheap tickets are for all other days in July.

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 standard ticket days and how many cheap ticket days are there in July?

(2)

Write your answer in the box below.

Rita wants to go to the safari park.

She wants to go on a Wednesday that is a cheap ticket day.

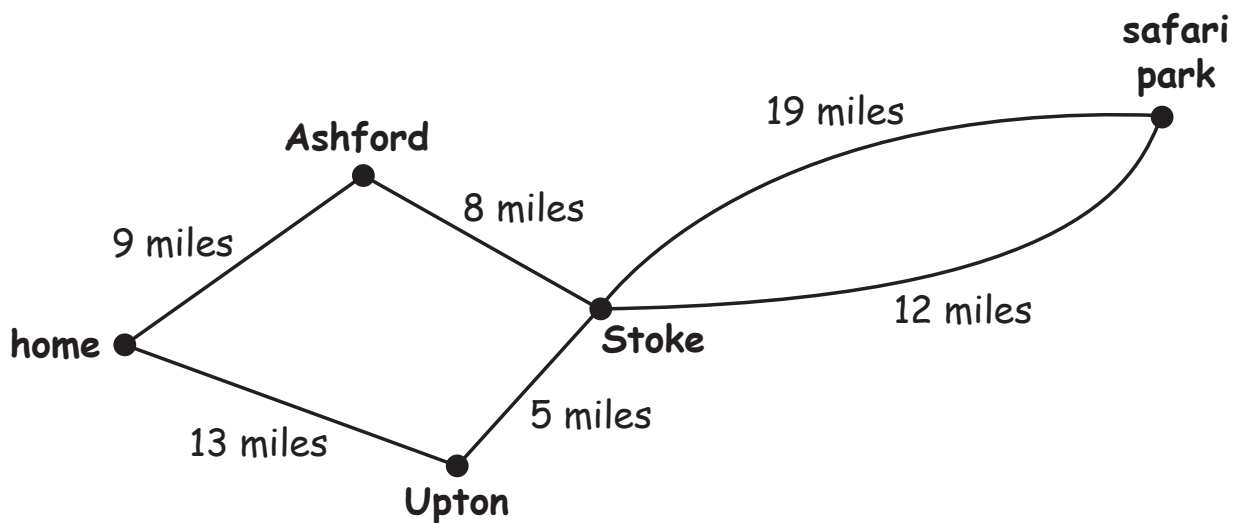
**Which dates could Rita choose?**

(2)

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 Rita's home to the safari park.



Rita wants to choose the shortest route from home to the safari park.

**How many miles is the shortest route from Rita's home to the safari park?**

**Show the shortest route on the map.**

(3)

Show your working in the box below.

Rita wants to get to the safari park at 10 am.

Rita needs one and a half hours after waking up to get ready before leaving home.

Then it takes Rita one hour to get to the safari park from home.

**What time does Rita need to wake up?**

(1)

Write your answer in the box below.

## 2 At the safari park

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

adult (16 - 64 years)	£13.90
child (3 - 15 years)	£11.90
senior (65 years and over)	£12.90
child (under 3 years)	free
group ticket (2 adults and 2 children)	£46.70

In Rita's group there are

- two adults
- a child aged 7 years
- a child aged 12 years.

Rita buys a group ticket instead of separate tickets.

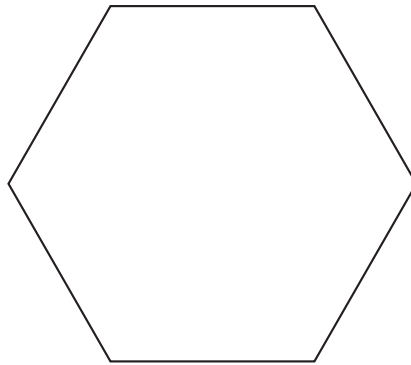
**How much does Rita save?**

(4)

Show your answer in the box below.

Rita goes to look at the lions and the crocodiles.

This is the shape of the lion enclosure.

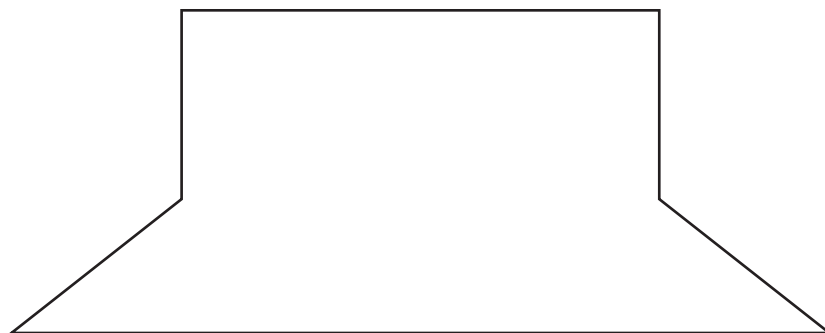


How many sides does this shape have?

(1)

Write your answer in the box below.

This is the shape of the crocodile enclosure.

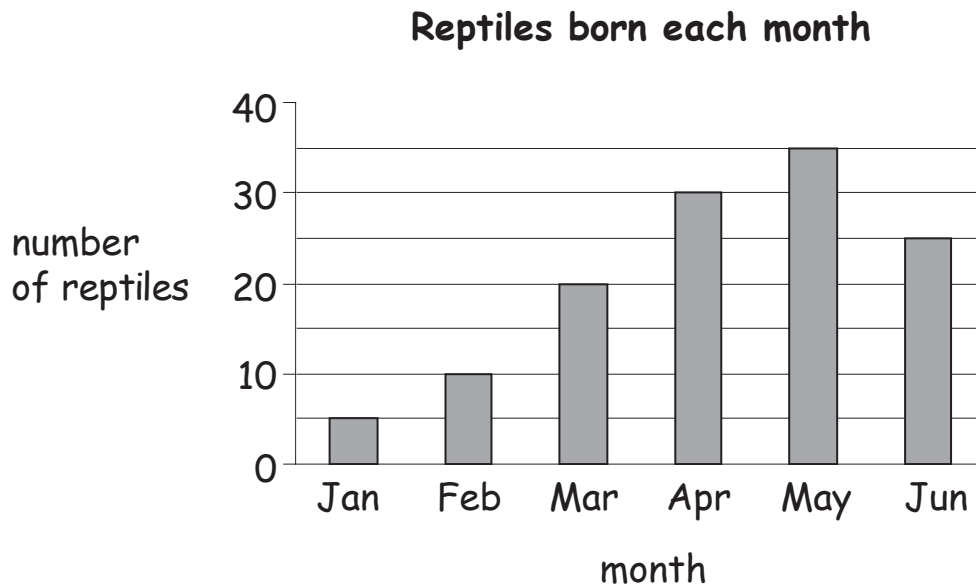


Tick (✓) all the right angles on this shape.

(1)

Billy works at the safari park.

Billy draws a chart to show the number of reptiles born each month.



**In which month was the largest number of reptiles born?**

(1)

Write your answer in the box below.

**How many reptiles were born that month?**

(1)

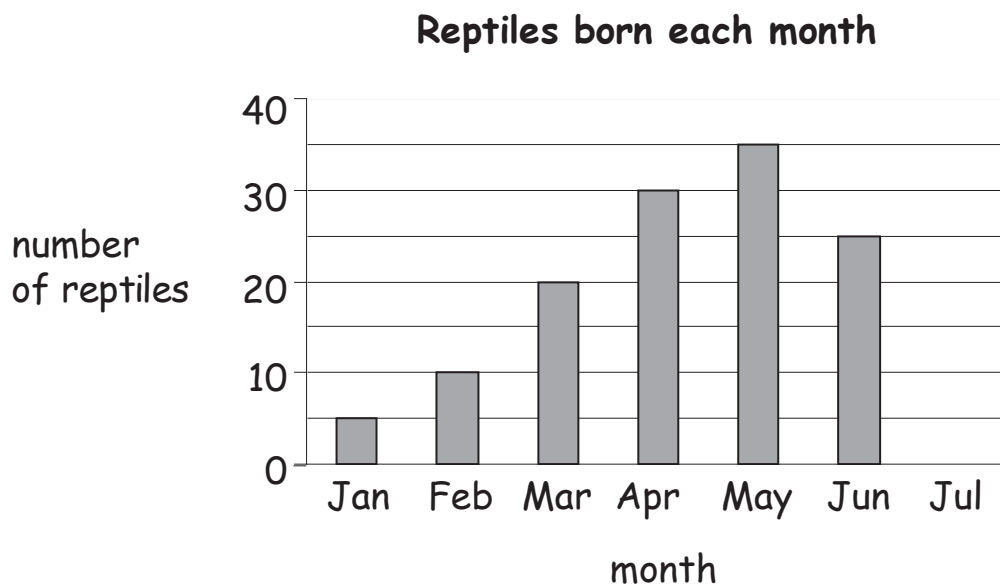
Write your answer in the box below.



The number of reptiles born in July was 15

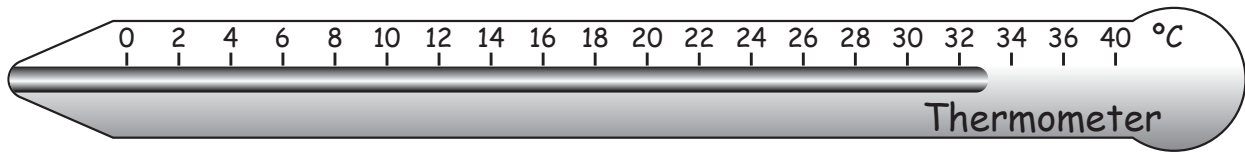
Show this on the chart below.

(1)



The reptiles live in a warm tank.

The thermometer shows the temperature inside the reptile tank.



**What is the temperature inside the tank?**

**(1)**

Write your answer in the box below.

The heaviest reptile weighs 1 kilogram.

**What is 1 kilogram in grams?**

(1)

Write your answer in the box below.

The lightest reptile weighs 34 grams.

**What is 34 grams to the nearest 10 grams?**

(1)

Write your answer in the box below.