

Introduction

Jade and Simon are going to a Nature Centre.

The tasks are about the Nature Centre.

Task 1

(4 marks)

The Nature Centre opens at 10am.

It closes at 4pm.

a. How many hours is it open each day?

(1 mark)

The latest entry into the centre is 3.30pm.

b. How much time is there before the centre closes?

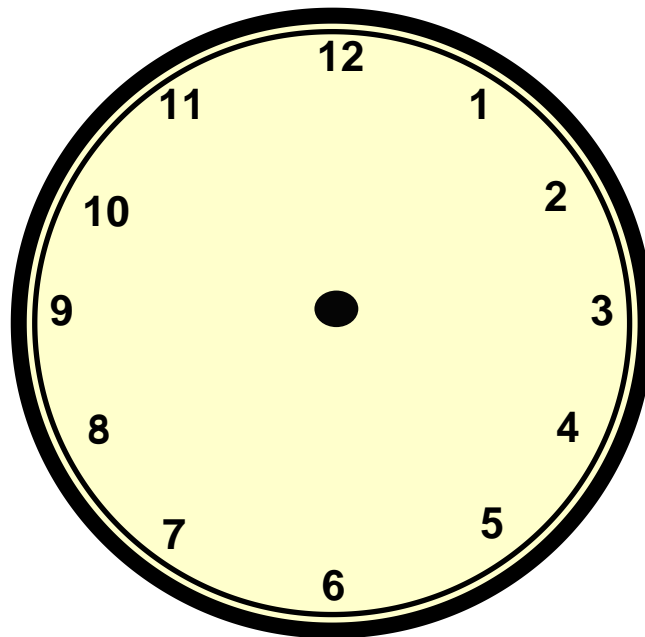
(1 mark)

The Nature Centre closes at 4pm.

Staff finish work 1 hour and 15 minutes after the centre closes.

- c.** What time do they finish work? (1 mark)

Show the time on the clock below.



- d.** Jade and Simon arrive at The Nature Centre at 10.15am.

They will leave at 3.30pm.

How long will they be at the centre? (1 mark)

Put your answer in the space below.

Task 2

(5 marks)

Use the coins your Assessor has given you.

Simon and Jade want to buy the items below:

- map for the Nature Trail £2.50
- 2 drinks at £1 each

a. Work out the total cost for **all** the items.

(2 marks)

Workings

Answer

b. Show the coins you could use to pay the total cost.

(1 mark)

c. Work out how much money is left over.

(2 marks)

Workings

Answer

Task 3

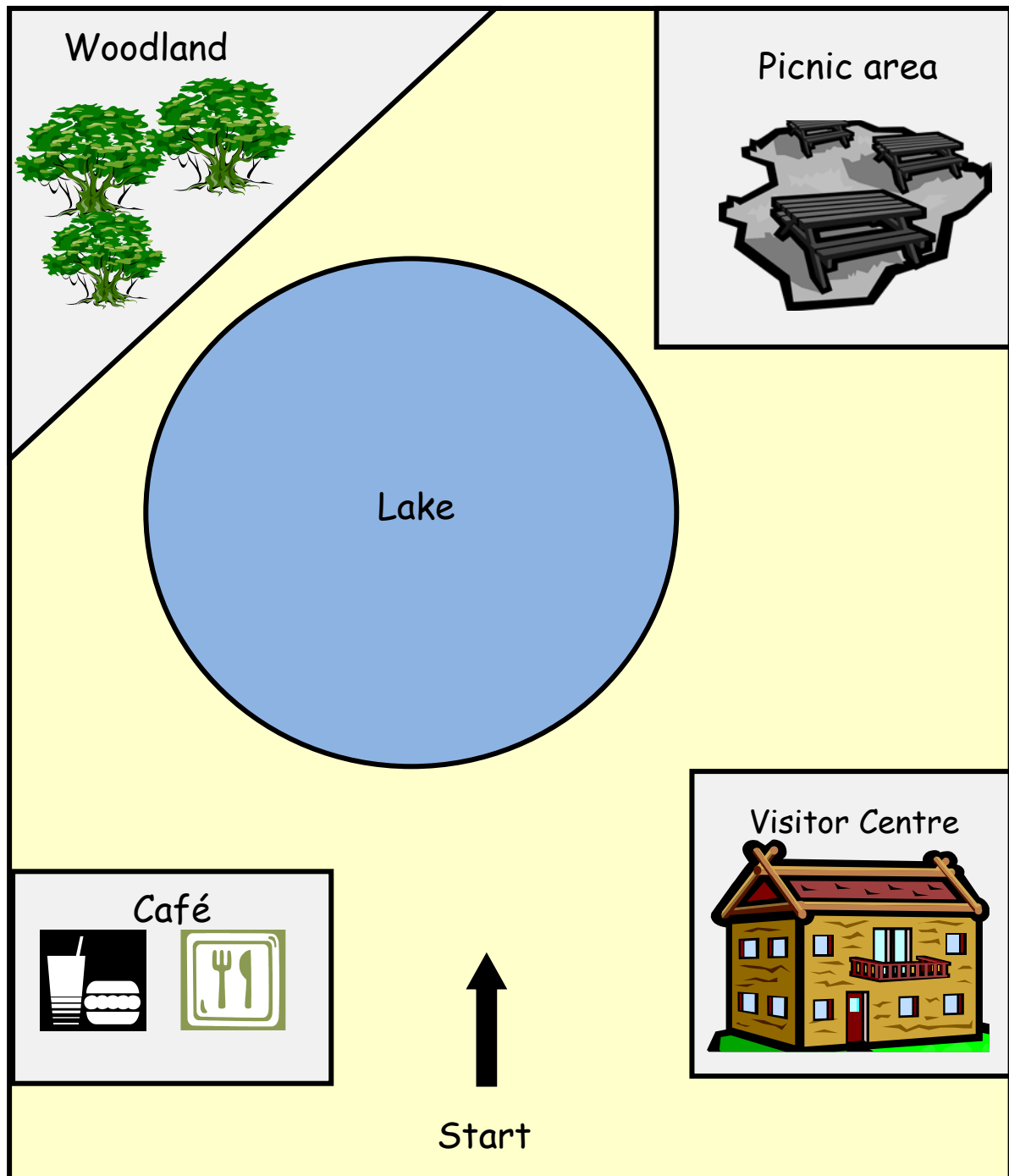
(4 marks)

Below is a map of the Nature Centre.

Look at the shapes.

What shapes are used on the map?

Put your answers in the space on the next page.



Answer

Task 4

(3 marks)

Jade and Simon want to know about the trees.

Use the scale and images below to help you answer the questions.

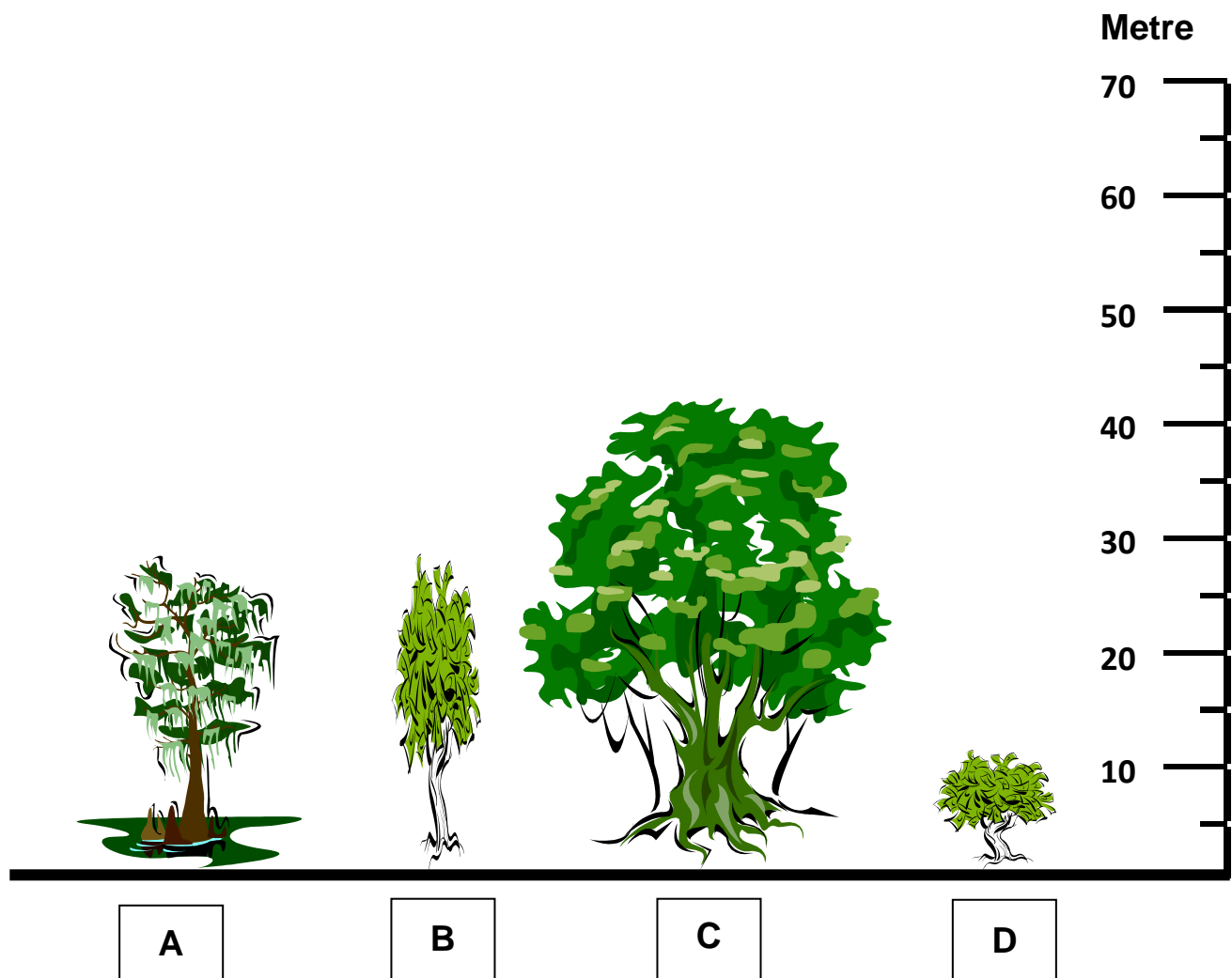
a. What can you say about the height of tree **C**?

(2 marks)

b. Which trees are about the same height?

(1 mark)

Tick your two answers.



Task 5**(5 marks)**

Jade counted the birds she saw.

Look at Jade's numbers below.

Jade saw these	
Ducks	$5 + 7 + 2 + 3$
Swans	$1 + 6 + 5 + 8$
Coots	$2 + 3 + 4 + 1 + 5$

Simon put these numbers into a list.

Check Simon's totals below.

Simon's List	
Birds	Total for each
Ducks	15
Swans	19
Coots	15
Total	

- Cross out any wrong totals in Simon's list. (2 marks)
- Write in the correct totals. (2 marks)
- Write in the total number of birds Jade saw. (1 mark)

Task 6

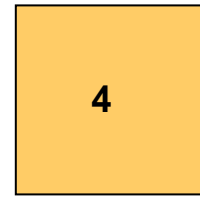
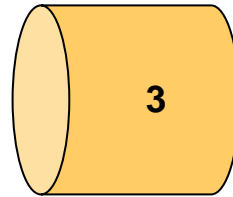
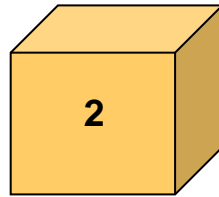
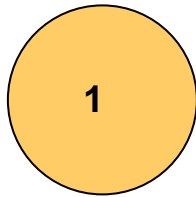
(3 marks)

Simon sees bird nest boxes in the trees.

He tells Jade they are a cube shape.

a. Tick the **cube** shape below.

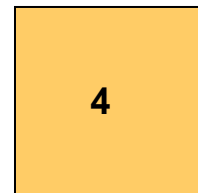
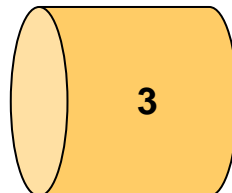
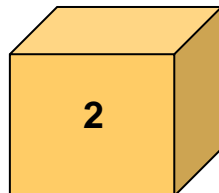
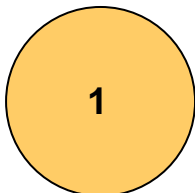
(1 mark)



b. Draw lines to connect **one** 2D shape to a 3D shape.

(1 mark)

Think about angles and faces.



c. How many faces does a cube have?

(1 mark)

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Task 7**(2 marks)**

Jade saw 28 squirrels at the centre.

Simon saw half that number.

a. How many squirrels did Simon see?

(1 mark)

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b. Show how you can check your answer.

(1 mark)

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Task 8**(4 marks)**

Each nest box has a number.

Simon will look for those with **odd** numbers.

Jade will look for those with **even** numbers.

- a. On the lists tick to show the ones **Simon** will look for. (1 mark)

Nest box numbers	Simon	Jade	Nest box numbers	Simon	Jade
5			34		
6			35		
7			36		
8			37		
9			38		
10			39		
11			40		
12			41		
13			42		
14			43		

- b. Will Simon look for more nest boxes than Jade? (1 mark)

Tick your answer.

Yes

No

c. Show how you know this.

(1 mark)

Workings

d. Some nest boxes are missing.

(1 mark)

Starting from 1 how many are missing?

Use the space on the next page for any working out and your answer.

Nest box numbers	Simon	Jade	Nest box numbers	Simon	Jade
5			34		
6			35		
7			36		
8			37		
9			38		
10			39		
11			40		
12			41		
13			42		
14					

Workings

Answer