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Pearson Edexcel Functional Skills – Entry 2

Section B – Calculator

Mathematics

Sample Assessment Materials
for first teaching September 2019

Time: 65 minutes



Candidate name

Candidate signature

Date

You must have a

- black or blue ink pen
- pencil
- ruler
- rubber
- calculator.

Instructions

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

Information

- The total number of marks for this section is 21.

Advice

- Read each question carefully.
- Check your work at the end.
- Ask if you do not understand any words.

Turn over ►

S65035A

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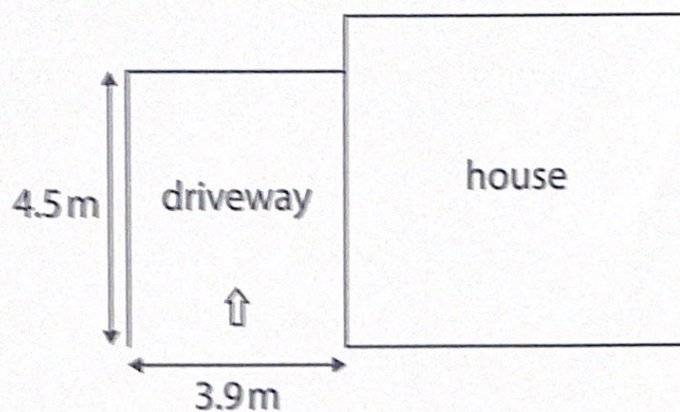


S 6 5 0 3 5 A


Pearson

1 Alex wants to buy a car.

He has a plan of his house and driveway.



Alex wants the longest car that fits his driveway.

Length of cars for sale						
car	A	B	C	D	E	F
length (m)	4.2	3.8	4.6	4.8	4.4	4.7

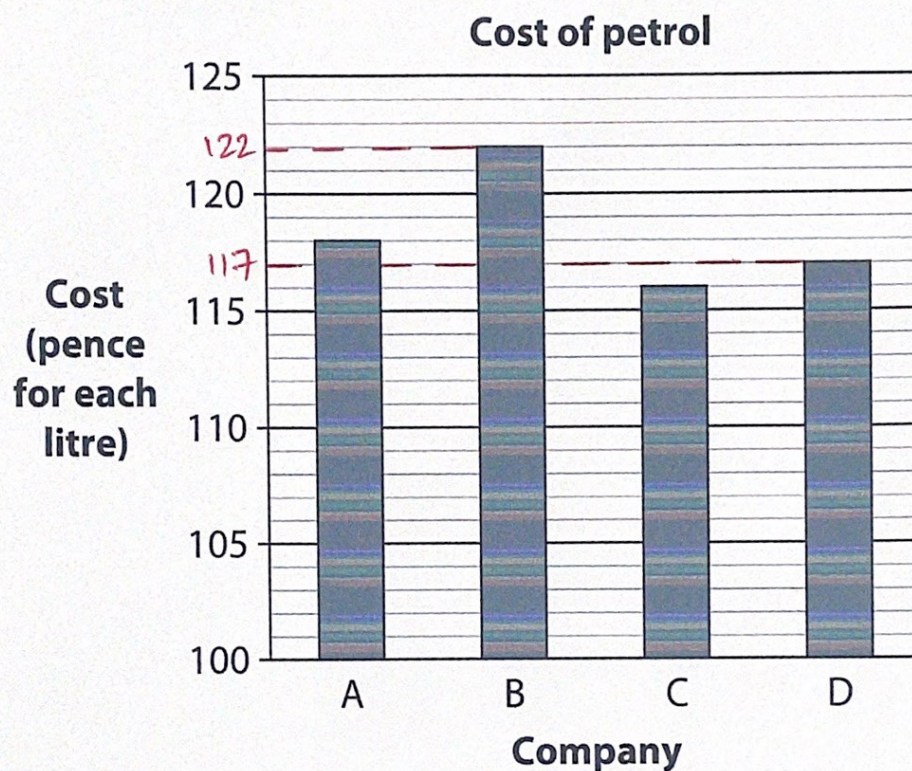
Which car will Alex choose?

(1)

Show your answer in the box below.

4.4 m (or E)

- 2 The chart shows the costs of petrol from different companies.



How much more does petrol cost from company B than company D?

(1)

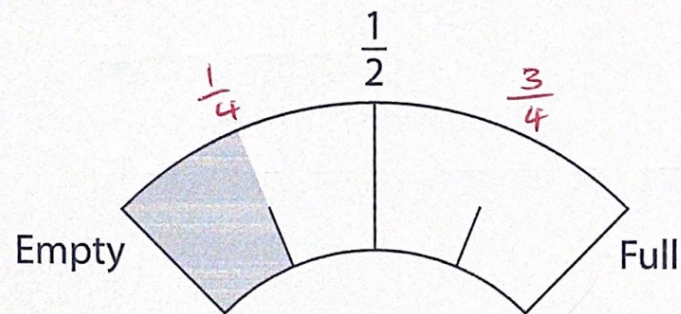
Show your answer in the box below.

$$122p - 117p = 5p$$

5 pence for each litre

3 Alex has a full tank of petrol on Monday.

The diagram shows his petrol gauge on Friday.



What fraction of the petrol is left?

(1)

Show your answer in the box below.

$\frac{1}{4}$

4 Alex needs to buy petrol.

He goes to the nearest service station that is open.

Which service station does he choose?

(1)

☐

Tick (✓) the correct answer.

distance 7 km
closed

()

distance 19 km
open

()

distance 23 km
closed

()

distance 17 km
open

(✓)

distance 22 km
open

()

distance 15 km
closed

()

- 5** Alex and his friend go to a concert by car.

The 2 friends share the cost equally.

The cost of the journey is £36

How much money does each of them pay?

Use the correct symbol for money.

(3)

☐

Show your working and your answer in the box below.

$$£36 \div 2 = £18$$

- 6 (a) Round 36 to the nearest 10**

(1)

☐

Show your answer in the box below.

40

- (b) Use the rounded number to check your answer to question 5**

(1)

☐

Show your check in the box below.

$$£40 \div 2 = £20$$

7 Alex needs to buy car wax.

Price list

	Turbo jet washer	£55
→	Solo car wax	£32
→	Quix car wax	£26
	Kleano screen wash	£21
→	Auto car wax	£19
	Handy brush	£13
	Maxon wheel cleaner	£11

Alex has £25 to spend.

Which car wax can Alex buy?

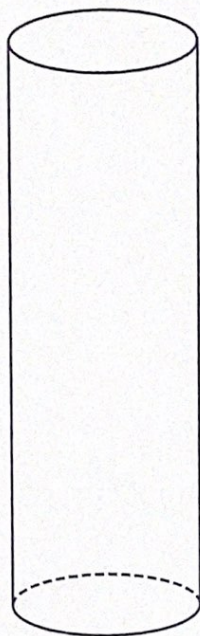
(1)

☐

Show your answer in the box below.

Auto car wax - £19

- 8 This is the shape of a can of cleaning spray.



What is the name of this shape?

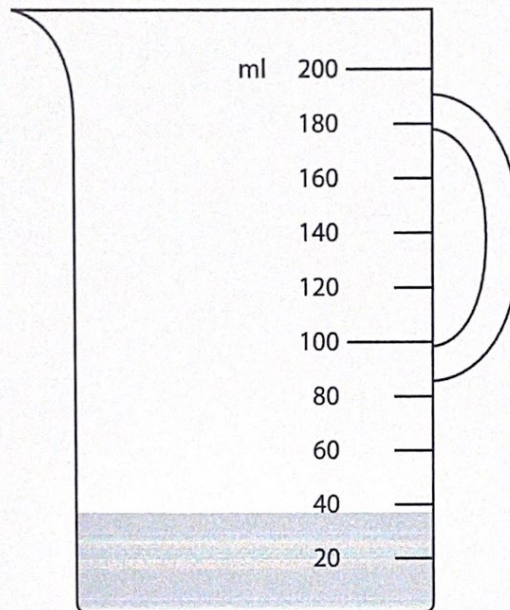
(1)

Show your answer in the box below.

Cylinder

9 Alex makes a mixture of screen wash and water.

He pours screen wash into a measuring jug.



Alex will add 80 ml of water to the jug.

How much mixture will he have to the nearest division?

Use the correct unit for capacity.

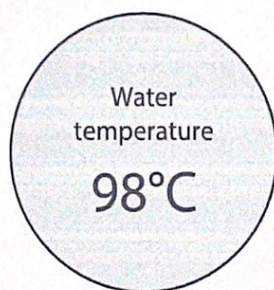
(3)

Show your answer in the box below.

The line of screen wash is closer to
40 ml than 20 ml.

$$40\text{ ml} + 80\text{ ml} = 120\text{ ml}$$

10 Alex looks at the water temperature gauge in his car.



The normal water temperature is 79°C.

How much hotter is the water than normal?

(2)

Show your working and your answer in the box below.

$$98 - 79 = 19^{\circ}\text{C}$$

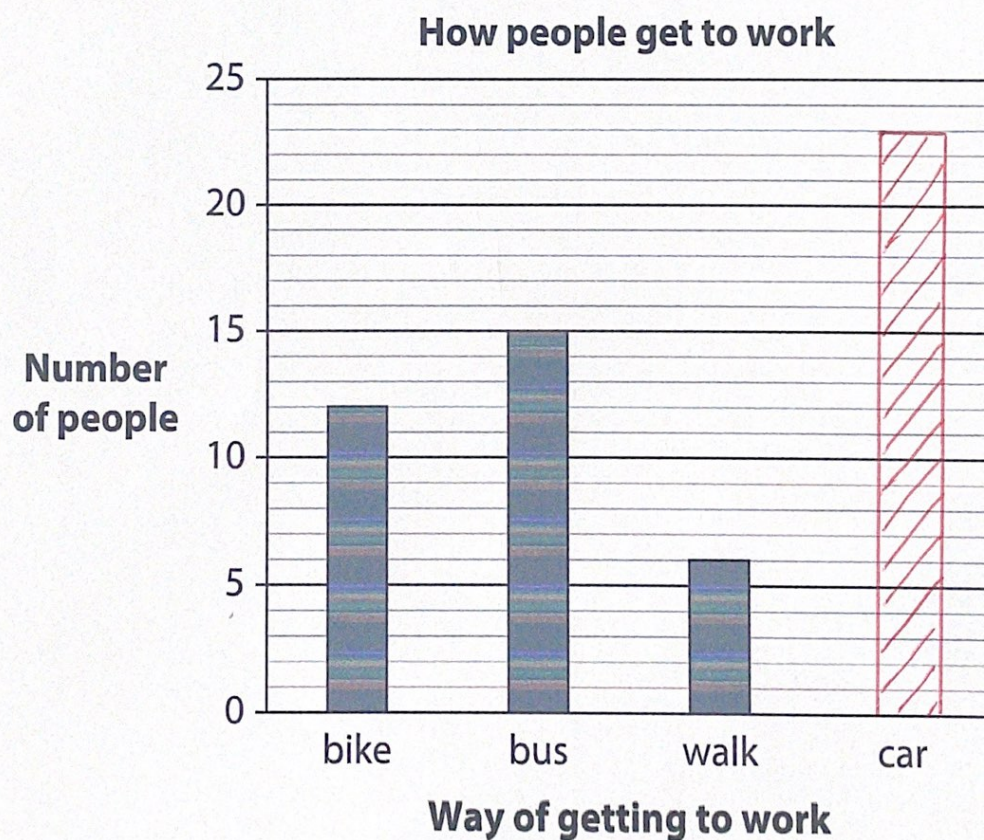
19 °C

11 The results of a survey show how people get to work.

How people get to work	Number of people
bike	12
bus	15
walk	6
car	23

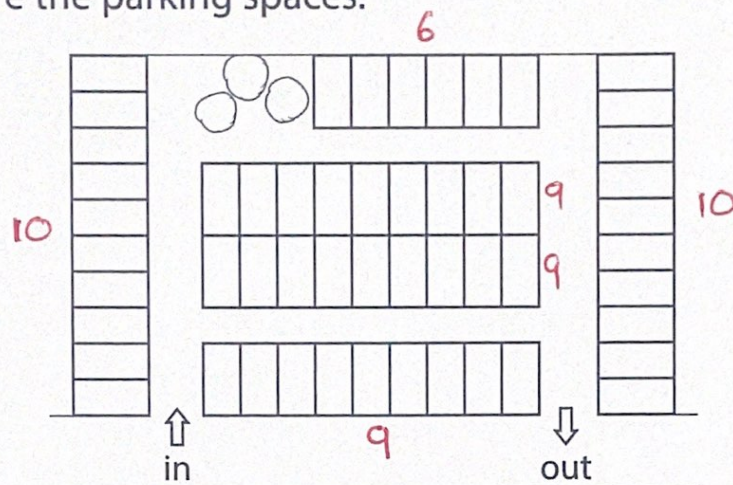
Alex needs a bar chart of the survey results.

Show how many people get to work by car on the chart. (1)



12 Alex parks his car at the company where he works.

These are the parking spaces.



Key:  is one parking space

The company needs 57 parking spaces.

Are there enough parking spaces?

Show why you think this.

(1)

☐

Show your answer in the box below.

$$6 + 10 + 10 + 9 + 9 + 9 = 53 \text{ spaces}$$

53 parking spaces

Tick (✓) the correct answer.

Yes () No (✓)

13 A row of parking spaces has odd numbers.

23 25 27

What is the next odd number?

(1)

Show your answer in the box below.

23 25 27 29

14 Alex needs his car repaired.

He wants his car repaired between the 30th August and the 10th September.

The garage gives Alex dates when they can repair his car.

Which date will Alex choose?

(1)

☐

Tick (✓) the correct answer.

Dates when the garage can repair the car

09/08/2019

()

18/09/2019

()

08/09/2019

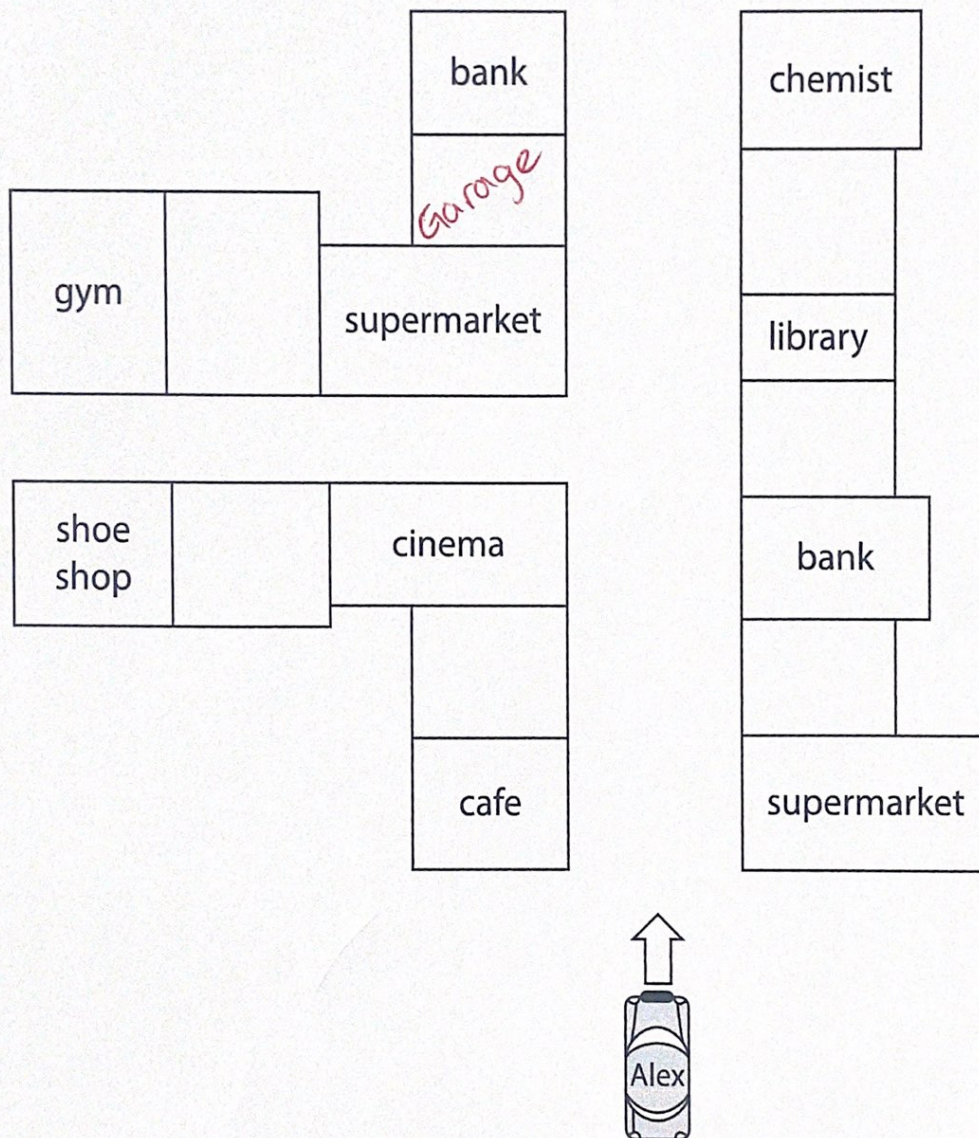
(✓)

19/08/2019

()

15 Alex takes his car to a garage.

He has a street map.



The garage is on the left between a supermarket and a bank.

Show where the garage is on the map.

(1)

☐