

Reformed Pearson Edexcel Functional Skills Entry 3

Section A – Non-calculator

Mathematics

Past Paper Set 5

Valid from September 2020 to August 2021

Time: 25 minutes



Candidate name

Candidate signature

Date

You must have a

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

Instructions

- Answer every question.
- You can write or draw to show your answers.
- You must **not** use a calculator.

Information

- The total number of marks for this section is 9.

Advice

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

Turn over ►

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1 Sally buys a car.

She pays this for car insurance.

£66 each month for 12 months

How much does Sally pay in total for one year?

(2)

Show your working and your answer here.

£ _____

2 Sally drives 498 miles in the first month.

She drives 233 miles in the second month.

Work out the total of 498 and 233

(2)

Show your working and your answer here.

_____ miles

3 Sally keeps the car in a garage.

The length of the car is 435 centimetres.

The length of the garage is 6 metres.

How many centimetres longer is the garage than the car?

(2)

Show your working and your answer here.

_____ cm

4 Sally puts a box on the floor in the garage.

She puts more boxes on top of this box.

The boxes are on top of each other.

Each box has a height of 30 cm.

The height inside the garage is 200 cm.

What is the greatest number of boxes Sally can put on top of each other?

What height is left over?

(3)

Show your working here.

Show what each of your answers means on the lines below.

_____ boxes

_____ cm left over

Reformed Pearson Edexcel Functional Skills Entry 3

Section B – Calculator

Mathematics

Past Paper Set 5

Valid from September 2020 to August 2021

Time: 75 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 27.

Advice

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

Turn over ►

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1 Vikram owns a garage.

He has cars for sale with these engine sizes.

1.4 litres 1.6 litres 1.8 litres 2 litres

The engine sizes follow a pattern.

Write down the next number in the pattern.

(1)

Show your answer here.

1.4 litres 1.6 litres 1.8 litres 2 litres litres

- 2 A customer goes to the garage between six o'clock and seven o'clock in the evening.

What time does the customer go to the garage?

(1)

Tick (✓) the correct answer.

6.15 am ()

5.45 pm ()

6.45 pm ()

6.30 am ()

3 The customer wants to buy a car.

She looks at cars of different lengths.

The car must have a length of less than 4.3 m to fit in her garage.

Which is the longest car that will fit in the garage?

(1)

Tick (✓) the correct answer.

Car lengths

()

()

()

()

()

()

4 Vikram has these jobs booked in for today.

name	Cassie
job	MOT
start time	10:30

name	Ali
job	tyres
start time	08:45

name	Bill
job	service
start time	13:15

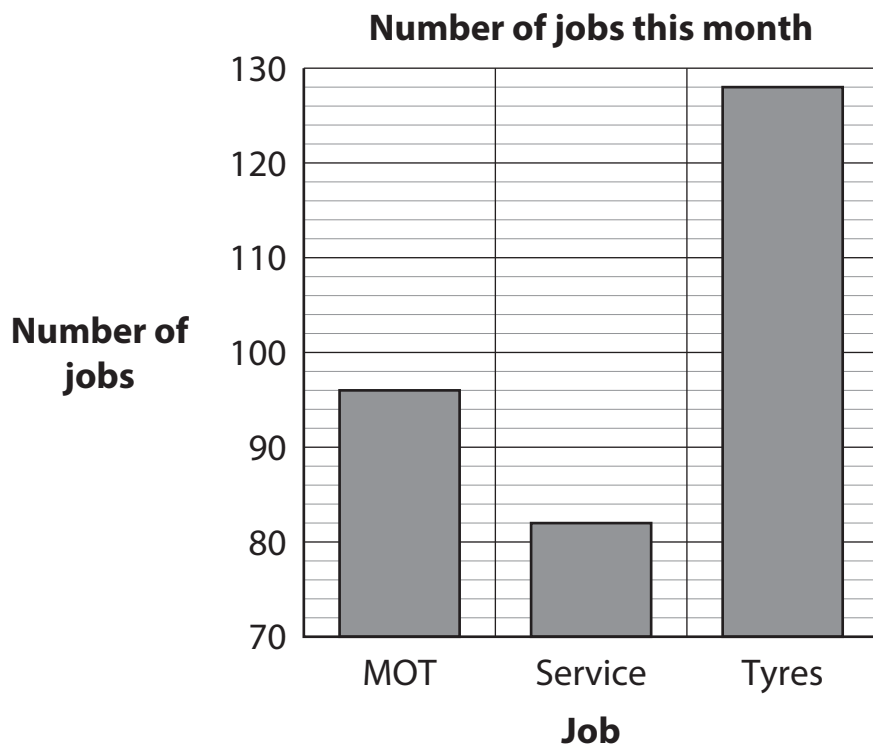
Vikram wants to show this information in a table.

Organise the information in a table.

(1)

Show your answer here.

5 Vikram has a chart to show the number of jobs done this month.



Show the number of each job in the table.

(1)

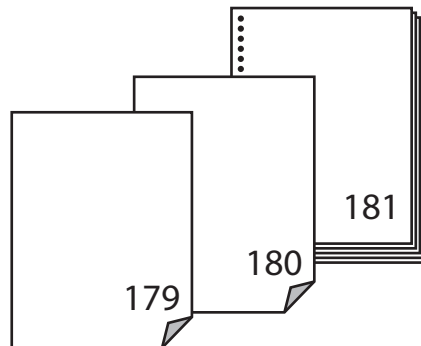
Number of jobs this month		
MOT	Service	Tyres

6 Vikram has a pad of receipts with numbers.

The first receipt has the number 179 on it.

The next receipt has the number 180.

The numbers go up by 1 for each receipt.



Vikram needs to find receipt 189

He thinks receipt 189 is the tenth receipt in the pad.

Is Vikram correct?

Show why you think this?

(1)

Show your working and your answer here.

Tick (✓) the correct answer.

Yes () No ()

7 Vikram pays £438.88 in total for 8 tyres.

Each tyre costs the same amount.

How much does Vikram pay for each tyre?

Use correct money format.

(3)

Show your working and your answer here.

8 A customer wants to buy a tyre with a width of 195 mm.

She wants to spend between £65 and £70 on the tyre.

The table shows the prices of tyres.

	Make of tyre			
Width of tyre	A	B	C	D
175 mm	£48.35	£55.95	£64.50	£72.75
185 mm	£54.75	£60.95	£68.75	£73.50
195 mm	£57.95	£62.50	£69.95	£75.50

How much does the customer pay for the tyre?

(1)

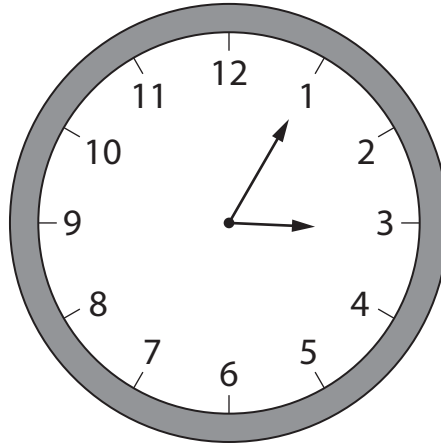
Show your answer here.

£ _____

9 Vikram wants to start repairing a car for a customer at 14:15

The customer is late.

The clock shows the time in the afternoon when the customer arrives at the garage.



How many minutes late is the customer?

(2)

Show your working and your answer here.

_____ minutes

10 The customer drives his car into the garage.

The fuel tank in the car has 19 litres of petrol in it.

The tank holds 60 litres of petrol when full.

The customer thinks that $\frac{1}{3}$ of the tank is full.

Is the customer correct?

Show why you think this?

(2)

Show your working and your answer here.

Tick (✓) the correct answer.

Yes () No ()

11 The diagram shows nuts with different shapes.

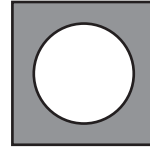
Which nut has 5 lines of symmetry?

(1)

Tick (✓) the correct answer.



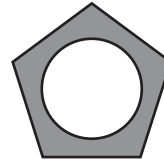
A
()



B
()

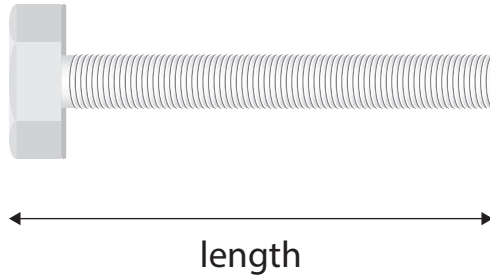


C
()



D
()

12 Vikram uses this bolt for a repair.

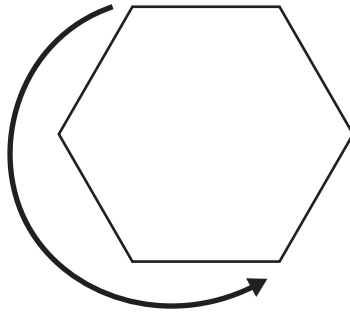


What is the length of the bolt?

(1)

Show your answer here.

13 The diagram shows how Vikram turns the nut.



What fraction does Vikram turn the nut?

(1)

Show your answer here.

14 A customer asks Vikram for 1 litre of antifreeze.

Vikram uses one bottle of antifreeze in the car.

The bottle contains 454 ml of antifreeze.

How many ml more antifreeze does Vikram need?

(2)

Show your working and your answer here.

_____ ml

15 (a) Round 454 to the nearest 10

(1)

Show your answer here.

(b) Use the rounded number to check your answer to question 14

(1)

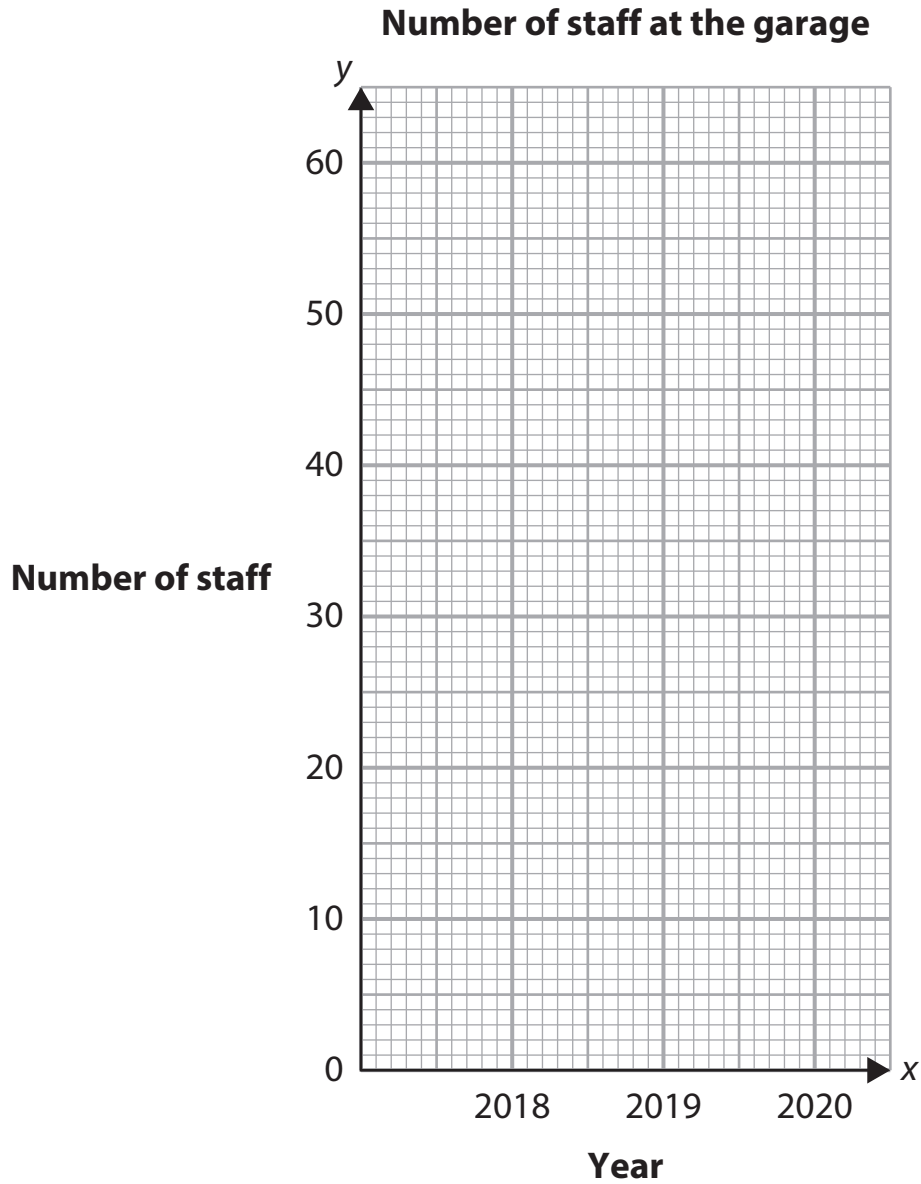
Show your check here.

16 Vikram has this information about the number of staff at the garage.

Year	2018	2019	2020
Number of staff	19	33	41

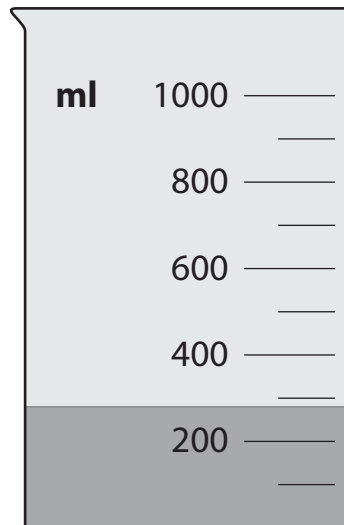
Draw a line graph to show this information.

(1)



17 A customer wants to make screen wash from concentrate and water.

The diagram shows the amount of concentrate she puts into a container.



The customer adds water into the container up to the 1000 ml division.

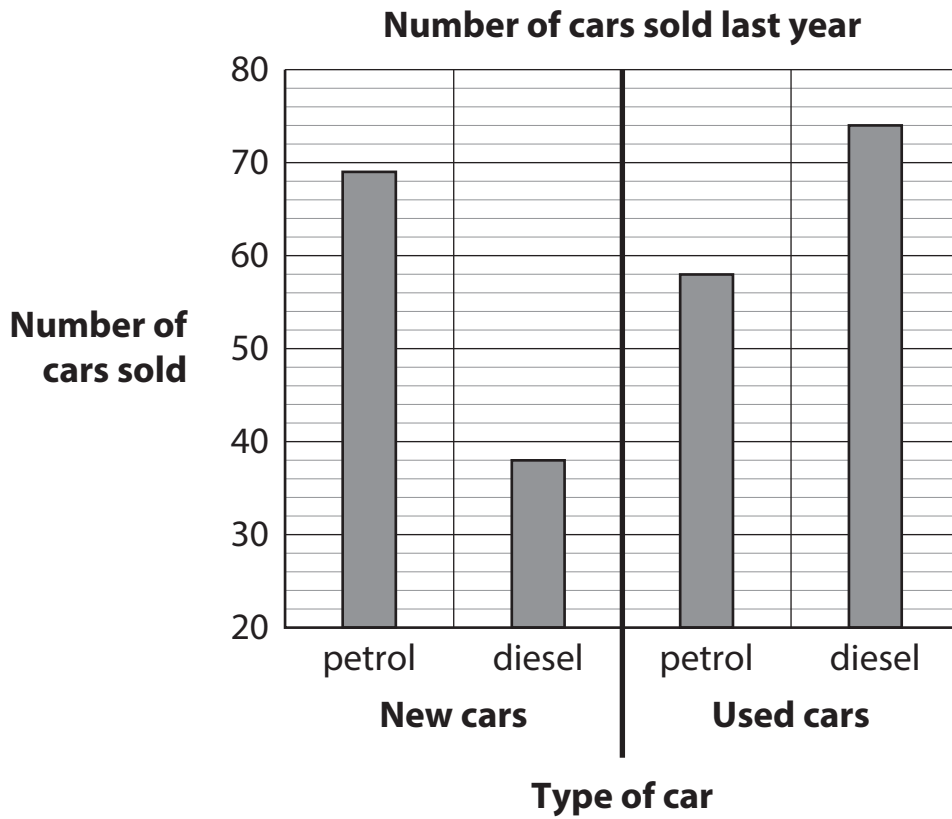
How much water does the customer add to the nearest division?

(2)

Show your working and your answer here.

_____ ml

18 Vikram has this chart.



Vikram thinks he sold 33 more used diesel cars than new diesel cars.

Is Vikram correct?

Show why you think this.

(3)

Show your working and your answer here.

Tick (✓) the correct answer.

Yes () No ()