Reformed Pearson Edexcel Functional Skills Entry 3

Section A – Non-calculator

Mathematics

Set 2
For first teaching September 2019
Past Paper Set 2
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 ▶

W 6 4 1 7 8 A

Pearson

1 Kemar plans a car boot sale.

He makes a sign with a word and an arrow.

ENTRANCE ➡

700 mm   250 mm

Kemar says the total length of the word and arrow is less than 1 m.

Is Kemar correct?

Show why you think this.

(2)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

2   Each car driver pays Kemar £8 to go to the car boot sale.

There are 72 cars at the car boot sale.

How much money in total do the car drivers pay?   (2)

Show your working and your answer here.

£_____

3   Kemar buys 200 bags for the rubbish at the car boot sale.

He shares the bags between 16 helpers.

Each helper has the same number of bags.

How many bags does each helper have?

Show how many bags are left over.   **(3)**

Show your working here.

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

_____ bags for each helper

_____ bags left over

4   Kemar works out how much money he made at the car boot sale.

Calculate the difference between £973 and £575   (2)

Show your working and your answer here.

£_____

Reformed Pearson Edexcel Functional Skills Entry 3

Section B – Calculator

Mathematics

Set 2
For first teaching September 2019
Past Paper Set 2
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 ▶

Pearson

1   Kemar plans music events.

He makes a website about the events.

The cost of the website is £10.90 each month.

What is the total cost for 24 months?

Use correct money format. (3)

Show your working and your answer here.

2 **(a)** **Round £10.90 to the nearest pound.** (1)

Show your answer here.

(b) **Use the rounded number to check your answer to question 1** (1)

Show your check here.

3   Kemar has a total of 450 tickets for a music event.

He keeps 90 of the tickets to sell at the gate.

Kemar says $\frac{1}{3}$ of the tickets are to sell at the gate.

Is Kemar correct?

Show why you think this. (1)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

4   Kemar needs to hire a tent for serving food.

Tent hire cost			
Tent	Length (m)	Maximum number of people	Cost (£)
A	6	60	217
B	9	115	429
C	12	220	853
D	6	155	506
E	9	165	603
F	12	275	518

Kemar needs a tent that is less than 10 m in length.

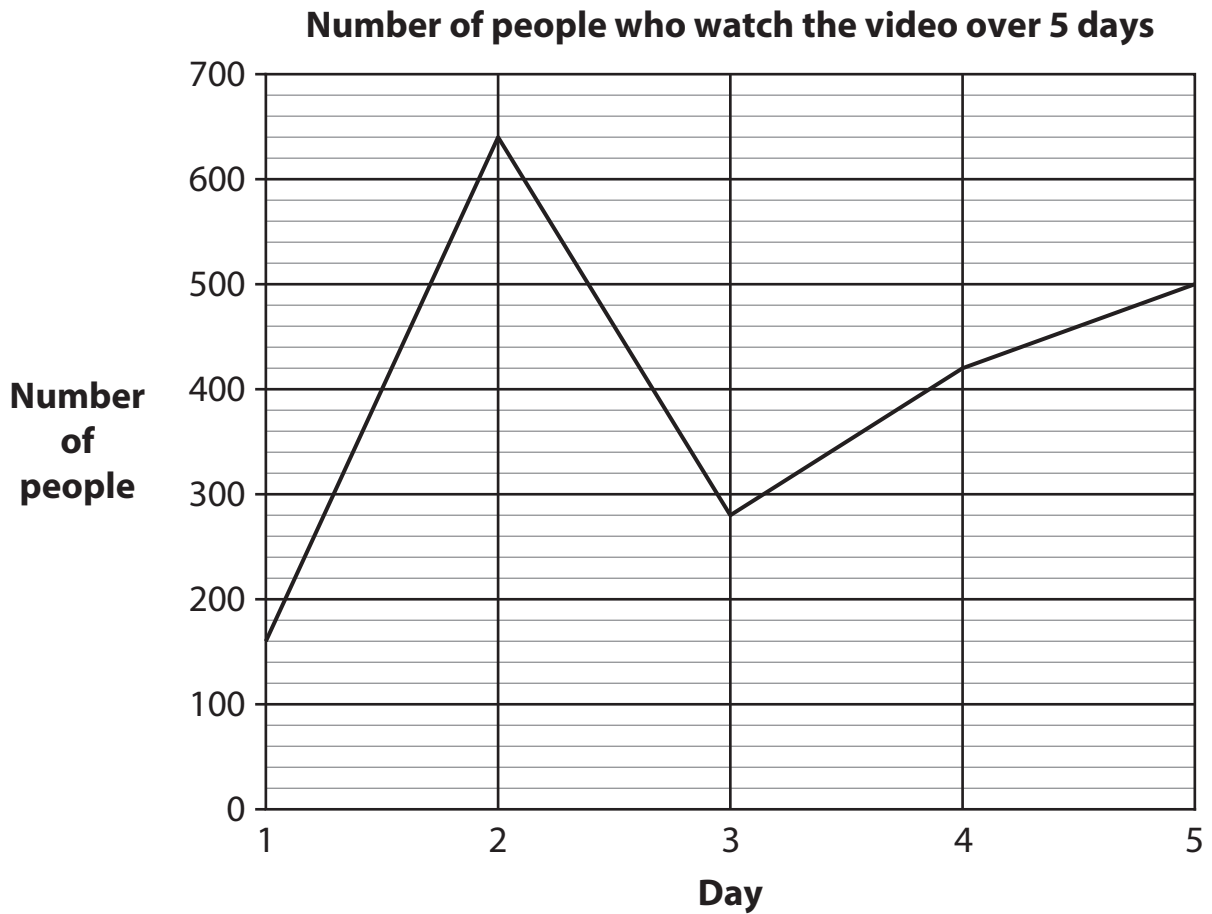He needs a tent for 120 people.

He wants to spend as little as possible.

Which tent will Kemar hire?   (1)

Show your answer here.

5 Kemar puts a video on his website.

The graph shows the numbers of people who watch the video.

Number of people who watch the video over 5 days

Kemar says that more than 900 people in total watched the video on days 2 and 3.

Is Kemar correct?

Show why you think this.   (3)

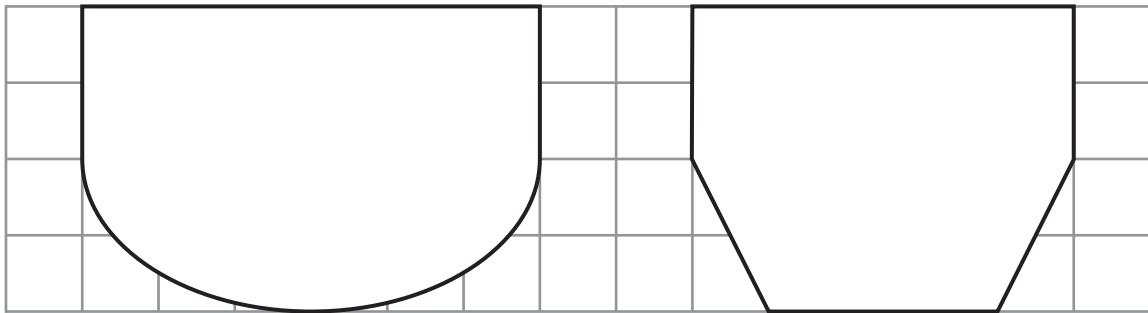Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

6 Helpers at the music event will have name badges.

Kemar chooses a shape for the badges.
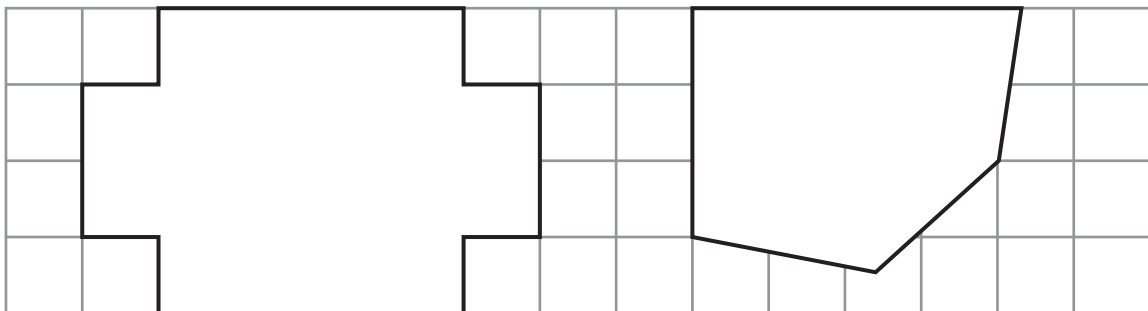
Which shape has the fewest right angles? **(1)**
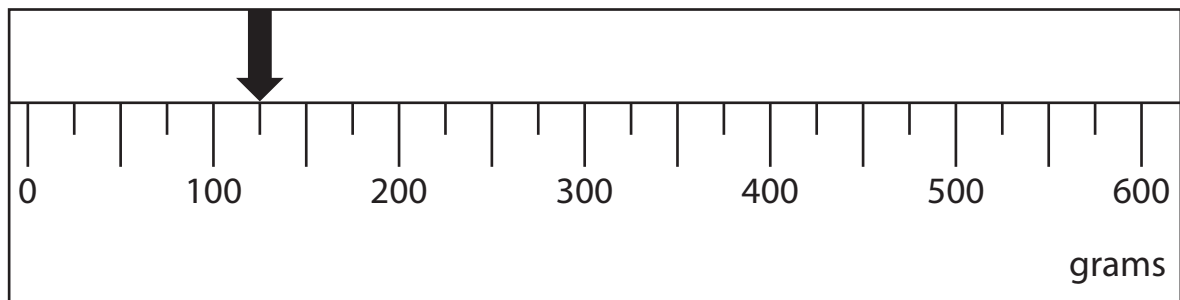
Tick (✔) the correct answer.

A ( )

B ( )

C ( )

D ( )

7   Kemar makes fruit biscuits to sell at the music event.

He weighs fruit.

0	100	200	300	400	500	600

grams

Kemar needs a total of 0.5 kg of fruit.

He says he needs 425 g more fruit.

Is Kemar correct?

Show why you think this.   (3)

Show your working and your answer here.

Tick (✔) the correct answer.

Yes ( )   No ( )

8 Kemar asks helpers to do jobs at different times.

Amir
Food 6 pm
Parking 10 pm
Bins 2 pm

Sam
Food 2 pm
Parking 6 pm
Bins 10 pm

Corey
Food 10 pm
Parking 2 pm
Bins 6 pm

Kemar wants to show this information in a table.

Organise this information in a table. **(1)**

Show your answer here.

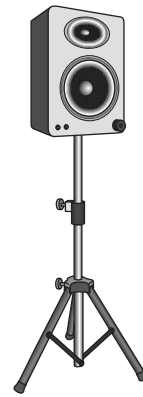**9**   Kemar has speakers for the music event.

He can put the speakers at different heights.

0.9 m   1.05 m   1.2 m

The heights follow a pattern.

Kemar puts a speaker at the next height up from 1.2 m.
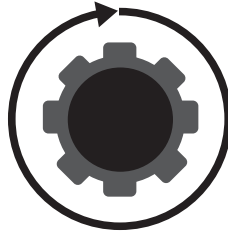
At what height does Kemar put the speaker?   **(1)**

Show your answer here.

_____m

10 Kemar turns a handle to fix the height of the speakers.

Which is the correct description of the fraction that Kemar turns the handle?

(1)

Tick (✔) the correct answer.

one quarter turn ( )

one half turn ( )

three quarter turn ( )

one full turn ( )

11 Kemar hires a rubbish bin from a company.

He hires the tallest bin the company has.

Which bin does he hire? (1)

Tick (✔) the correct answer.

Height of rubbish bins

1.3 m

( )

0.98 m

( )

1.06 m

( )

1.18 m

( )

1.2 m

( )

0.64 m

( )

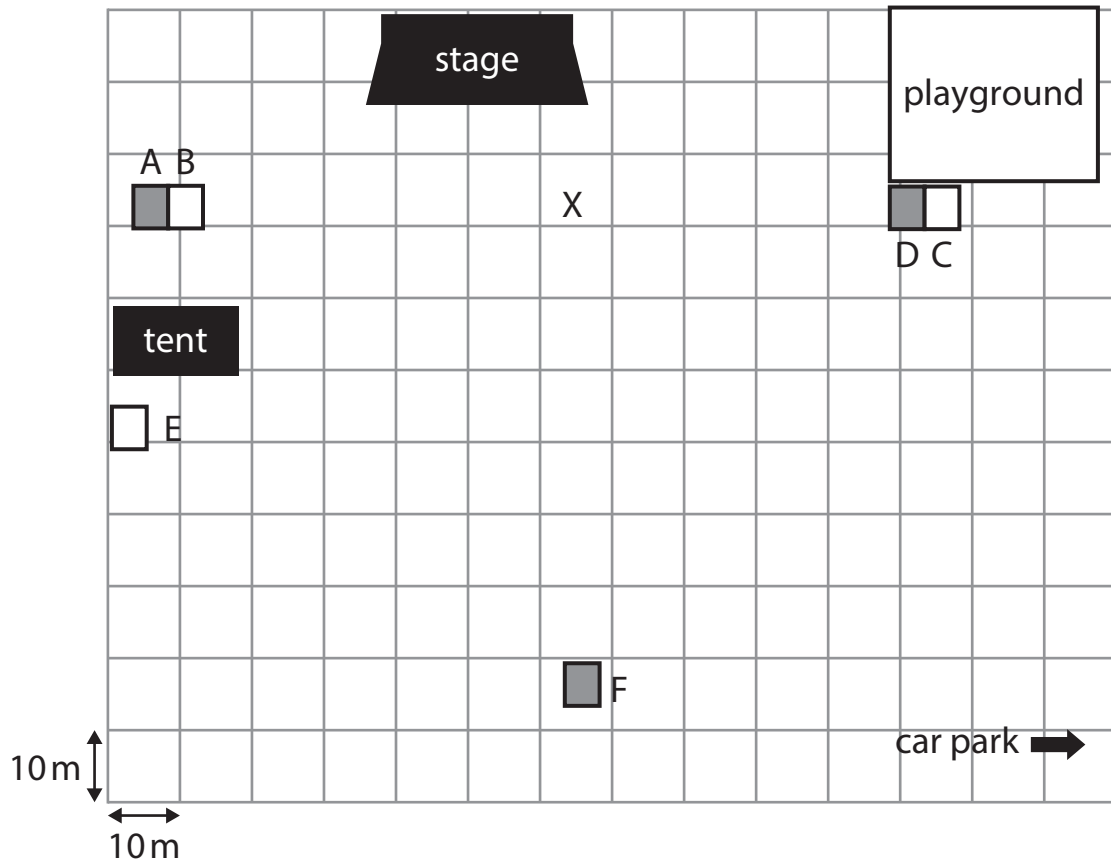**12** Kemar sells 289 adult tickets for the music event.

He also sells 136 child tickets.

What is the total number of tickets he sells? **(2)**

Show your working and your answer here.

13 Kemar has a site map for the music event.

A customer at point X wants to find the nearest accessible toilet.

Which toilet will the customer choose? **(1)**

Show your answer here.

14 The music event ends at quarter past eleven in the evening.

Which clock shows this time? (1)

Tick (✔) the correct answer.
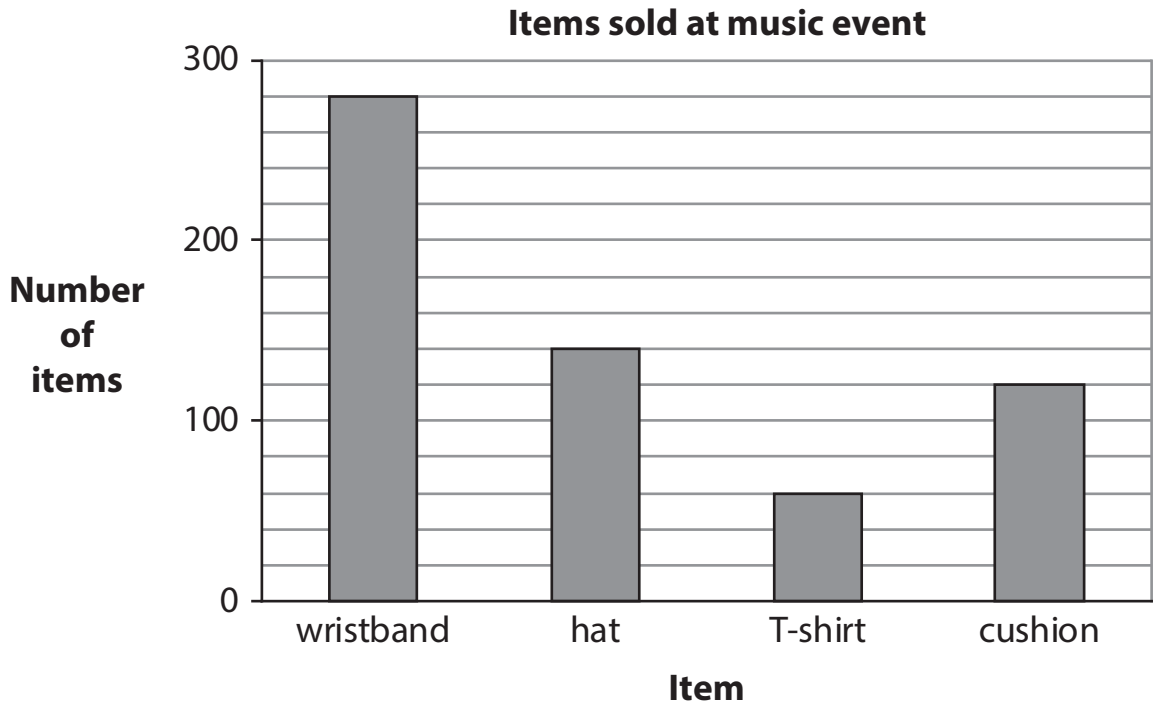
| 11:15 am | | 11:15 pm |
| ( ) | | ( ) |

| 11:45 am | | 11:45 pm |
| ( ) | | ( ) |

15 Kemar had 240 T-shirts to sell at the music event.
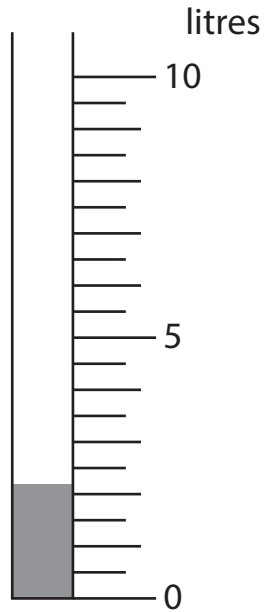
Items sold at music event

How many T-shirts are left over after the music event? **(1)**

Show your answer here.

16 Kemar had 9 litres of petrol in a generator before the event.

The diagram shows the amount of petrol left over after the event.

litres

10

5

0

How much petrol did Kemar use to the nearest division? (1)

Show your answer here.

_____ litres

17 Kemar counts the people who vote for photos on the website.

He sorts the numbers of people in order.

Which is the second greatest number? (1)

Tick (✔) the correct answer.

Numbers of people who vote for each photo

Photo A
280

( )

Photo B
802

( )

Photo C
820

( )

Photo D
208

( )

Photo E
282

( )

Photo F
882

( )

18   The table shows when tickets for a different event were bought.

When tickets were bought	Number of tickets
same day	40
up to 1 week before	160
more than 1 week before	100

Kemar needs a bar chart to show this information.

Complete the bar chart using a suitable scale.   **(2)**

Number of tickets bought at different times

Number
of
tickets

same day   up to 1 week   more than 1 week
                      before   before

When tickets were bought