

DESKTOP TASK

CAR BOOT SALE

QUESTION & ANSWER BOOKLET

Learner's Name	
Centre Name	
Centre Number	
Date of Assessment	
Tutor's Name	
Mark Achieved	
Level Achieved	

APPLICATION OF NUMBER LEVEL 1

EXEMPLAR MATERIAL – PHOTOCOPIABLE

ISSUED SEPTEMBER 2005

INSTRUCTIONS

WHAT DO I DO?

There are 40 questions with one mark for each question.

Try to answer as many questions as you can.

WHAT WILL I NEED?

You will need a pen, pencil and a centimetre ruler.

WHAT IS THE TIME ALLOWED?

1 HOUR 15 MINUTES

(To include 15 minutes reading time)

Do not spend too long on a question that you find difficult. You can always come back to it later.

NOTES

You may not use a calculator.

CAN I WRITE MY WORKING OUT IN THIS BOOKLET?

Yes you can but please ensure your answer is clearly marked in pen in the box where indicated.

Julie McNee is a car-parking attendant at Green Fields Car Boot Sale.

- 1 Julie is paid £5.00 an hour. Last month she worked 36 hours.
Which is the closest estimate of Julie's pay for the month?

Please tick ONE box

£5 x 30	<input type="checkbox"/>
£5 x 40	<input type="checkbox"/>
£6 x 40	<input type="checkbox"/>

- 2 Julie saves £15 each week towards a holiday.
How can she work out how many weeks it will take to save £300?

Please tick ONE box

$15 \div 300$	<input type="checkbox"/>
$300 \div 15$	<input type="checkbox"/>
$300 - 15$	<input type="checkbox"/>

- 3 Last week there were one thousand, three hundred and seven cars.
Write this number in figures.

Answer

- 4 In June, 9,241 people attended the car boot sale.
What is this number rounded to the nearest thousand?

Answer

- 5 By 9.30 a.m. last Sunday the car park was 75% full.
What fraction of the car park was full?

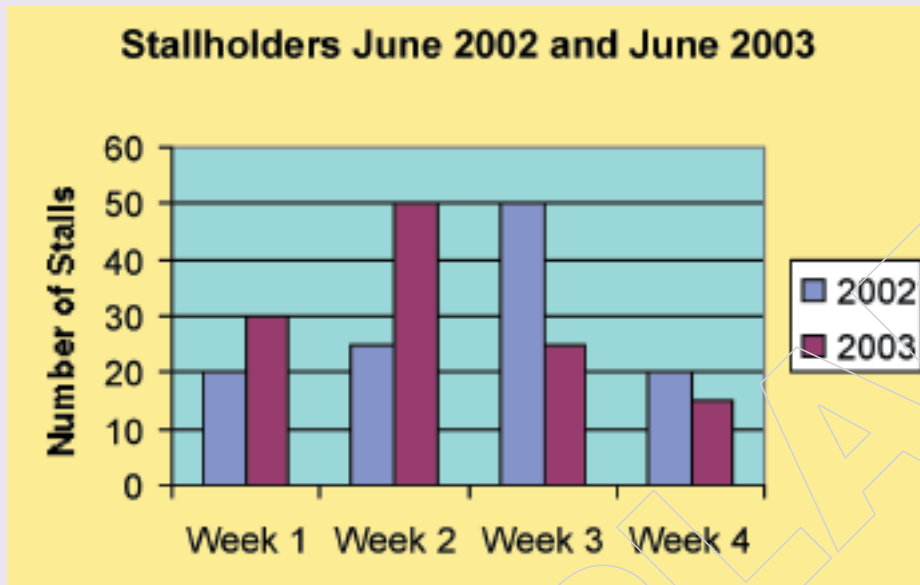
Please tick ONE box

$\frac{3}{4}$	<input type="checkbox"/>
$\frac{1}{4}$	<input type="checkbox"/>
$\frac{1}{25}$	<input type="checkbox"/>
$\frac{1}{75}$	<input type="checkbox"/>

- 6 Julie says that only about $\frac{1}{3}$ of the drivers have the correct money for their entrance. What is $\frac{1}{3}$ of 1500?

Answer

A number of stall holders come to sell their goods at the Car Boot Sale. Alan White is the manager of the Car Boot Sale. Below are examples of the detailed records he keeps.



7 Which week in June 2003 had the lowest number of stalls?

Answer

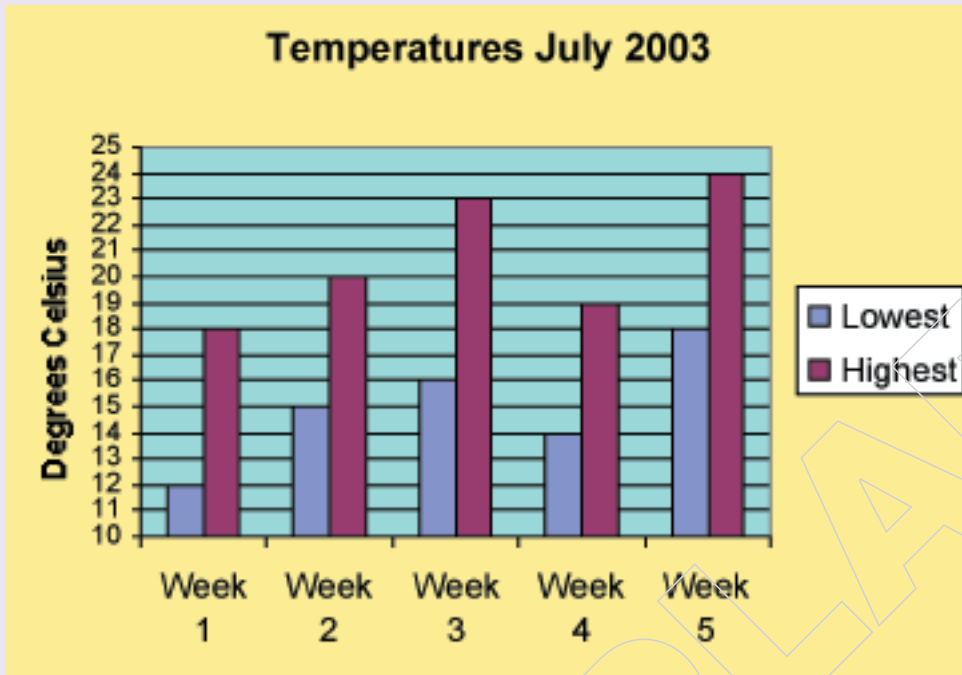
8 In June 2002 how many more stalls were there in Week 3 than in Week 4?

Answer

9 What was the average attendance in June 2003?

Answer

Alan also keeps records of the weather.



10 What is the range of temperature in Week 3?

Answer

2003	Wk 1	Wk 2	Wk 3	Wk 4	Wk 5	Wk 6	Wk 7	Wk 8	Wk 9	Wk 10

Sun: Rain:

11 From Alan's sun/rain record, what is the probability of it raining on any given day?

Answer

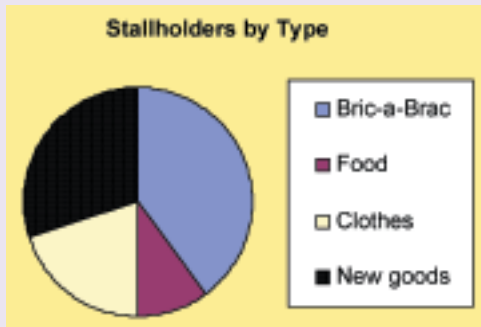
12 Alan knows that the probability of having to cancel the sale because of bad weather, is one in ten.

How would this be expressed as a fraction?

Answer

Alan has recorded the stall holders by type in a pie chart.

13 Which is the most common type of stall?

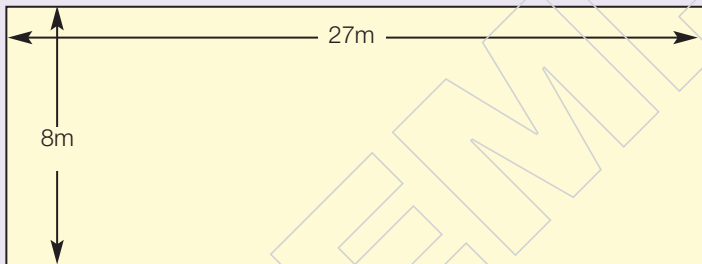


Answer

14 Food stalls make up 15% of the total number of stalls. What percentage do all the other stalls together make up?

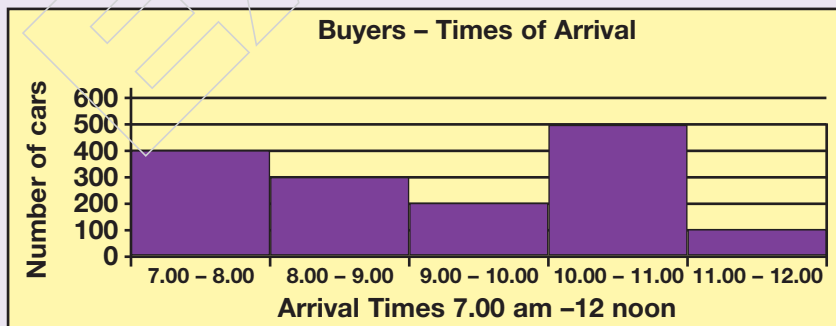
Answer

This is a plan of part of the field.



15 What is the maximum number of plots measuring 4m x 3m that Alan could fit into this space?

Answer



16 The chart above shows the number of cars arriving to the nearest 100. Approximately how many cars arrived between 7 am and 12 noon on this day?

Answer

17 100 cars (to the nearest 10) arrived between 11.00 and 12.00.
What is the smallest possible number of cars that arrived?

Please tick **ONE** box

94	<input type="checkbox"/>
95	<input type="checkbox"/>
96	<input type="checkbox"/>
99	<input type="checkbox"/>

Answer

Ryan and Maggie are regular stall-holders at Green Fields Car Boot Sale.

18 They have been paying £4.00 rent each week for their stall.
Now there is to be a 25% increase in the charge.
How much will the new rent now be?

Answer £

19 The Car Boot Sale opens at 7.00 am. Ryan and Maggie leave home at
5.45 am. How long is this before the Sale starts?

Answer £

20 Their total sales are £126.60 in 6 hours. What is the average sales per hour?

Answer £

21 If they paid £8.00 for rent and £8.50 for petrol, how much is left from £126.60?

Answer £

22 The tank of their car holds 52 litres of petrol.
The car travels 11 miles to each litre.
How far can the car travel on a full tank of petrol?

Answer **miles**

The organisers have drawn a plan of the field using a scale of 1 to 10.

23 The space Ryan and Maggie are allowed is 3.75 metres long.
How long will this be on the plan?

Please tick ONE box



0.375 cm	<input type="checkbox"/>
37.5 m	<input type="checkbox"/>
37.5 cm	<input type="checkbox"/>
3.75 cm	<input type="checkbox"/>

24 On the plan the maximum size allowed for a table is 22cm by 15cm.
What are the actual measurements for the table?

Please tick ONE box



1.1m x 7.5m	<input type="checkbox"/>
2.2m x 1.5m	<input type="checkbox"/>
11m x 75m	<input type="checkbox"/>
22m x 15m	<input type="checkbox"/>

25 On the plan the maximum size allowed for a table is 22cm by 15cm.
Ryan and Maggie's table top measures 2.5m x 1m.
Is this within the maximum size allowed?

Answer

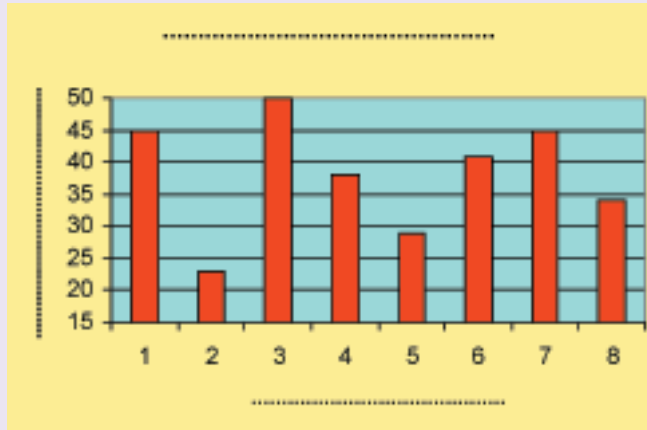
26 What is the area of the surface of their table top?

Answer **m²**

27 What is the perimeter of their table top?

Answer **m**

Maggie has seen the records that the manager keeps. When she gets home she produces this chart of their takings for the first 8 weeks.



- 28 Maggie has not given her chart a title or labels. **On the dotted lines** insert the necessary information showing **“Takings in pounds”, “Weekly Takings”** and **“Weeks at the Car Boot”**.

Maggie amuses herself by keeping a tally chart of the number of dogs that are walked past her stall. This is the information she gathers:

7am – 8am	
8am – 9am	
10am – 11am	
11am – 12 noon	
12noon – 1pm	

- 29 Enter the information from the tally chart into the frequency table below as numbers.

7.00 am – 8.00 am:	
8.00 am – 9.00 am:	
10.00 am – 11.00 am:	
11.00 am – 12.00 noon:	
12.00 noon – 1.00 pm:	

35 There is a small wooden box for sale. It measures 12cm x 5cm x 3cm.
What is the volume of the box?

Answer **cm³**

36 Elsie buys a 75cl bottle of wine.
How much will the bottle hold in ml?

Answer **ml**

37 Elsie buys a digital clock that reads:



The time is actually twenty-five past two in the afternoon.
What time should Elsie reset on this 24-hour clock?

Answer

38 Elsie wants to buy some eggs for a recipe that says she needs 6 eggs to make 12 buns; but she only wants to make 4 buns.
How many eggs does she need?

Answer

39 There is a roll of material for sale containing 14.5 metres. If Maggie buys 8 metres, how much material will be left on the roll?

Answer **m**

40 There is a chest for sale that measures 120cm x 60cm x 35.5cm.
How would Maggie write these measurements in metres?

Answer **m x m x m**

END OF TASK

EXAMPLE

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