

National Assessments
5 -14

Mathematics

Level D

Name

Date.....

Assessment 00A



Assessment is for Learning

Questions 1 - 6 will be read to you.

Write down your answer to these questions without doing any working.

1

2

3

4

5

6

7

The front wheel of a bike has a radius of 32 cm.

What is the diameter of the wheel?

Answer: _____ cm

1728

8

How many metres are there in 3 km 60 m?

Answer: _____ metres

1745

9

Subtract

$$\begin{array}{r} 6.59 \\ - 3.78 \\ \hline \\ \hline \end{array}$$

1780

10

Calculate $\frac{2}{5}$ of 35.

Answer: _____

1809

11

Which of the following is most likely to be nearest to the weight of an average man?

- A 8.5 kg
- B 85 kg
- C 185 kg
- D 850 kg
- E 1850 kg

Circle your answer.

A B C D E

1758

12

This table shows the number of school visits last year to a zoo.

<i>Month</i>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Primary School visits	8	12	5	16	18	10	0	2	7	21	24	6
Secondary School visits	6	5	14	3	13	10	0	0	9	13	27	7

Give the names of **all** the months in which there were at least 20 school visits.

Answer: _____

1812

13

How many 3p caramels could you buy for £3.60?

Answer: _____ caramels

1824

14

A piece of metal 24 cm long is to be cut into two sections.

The first section is $\frac{3}{8}$ of the original length.

How long is the first section?

Answer: _____ cm

1871

15

To decorate a room 10 rolls of wallpaper are needed.

Each roll costs £5.35.

What is the total cost?

Answer: £ _____

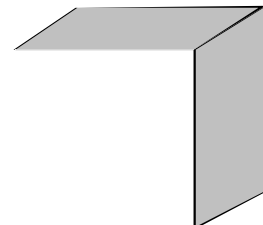
1924

16

This is a drawing of a cube.

Jane is going to make a model of the cube using straws for the edges and wire for the corners.

How many straws does she need?



Answer: _____ straws

1941

17

DIY STORE			
Hammer	£12.50	Saw	£24.50
Drill	£23.25	Chisel	£ 6.75
Screwdriver	£ 3.20		

How much would it cost to buy a hammer and a drill?

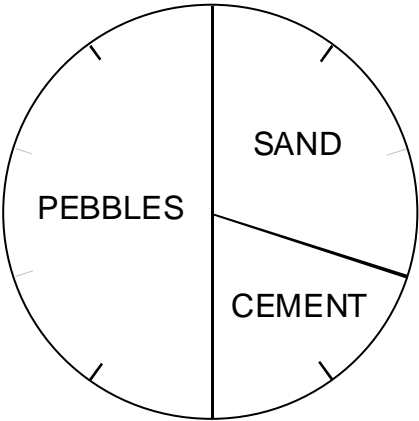
Answer: £ _____

1857

18

The pie chart shows a mixture of sand, cement and pebbles.

What fraction of the mixture is sand?

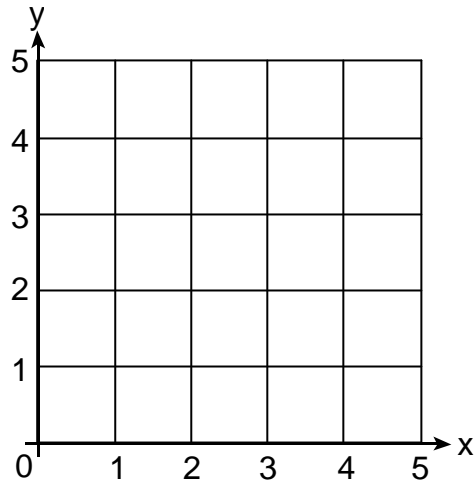


Answer: _____

1897

19

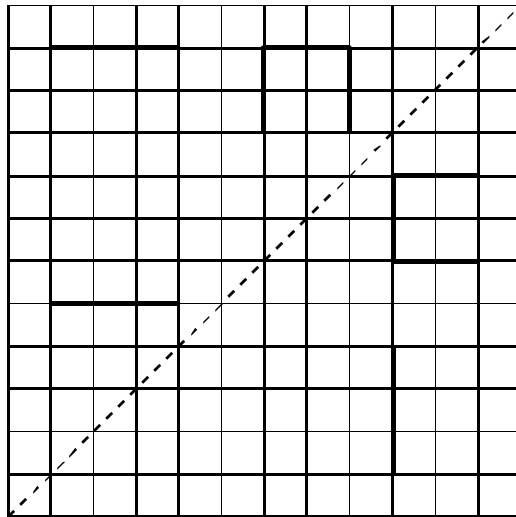
On the grid, mark the point (4,3) with an X.



1901

20

Jenny has drawn the pattern shown below.



She wants to make the completed pattern symmetrical about the dotted line.

Draw the missing shape in the correct position on the grid.

1961

21

Anne started her journey at 9.50am and finished it at 1.10pm.

How long did the journey take?

Answer: _____ hours _____ minutes

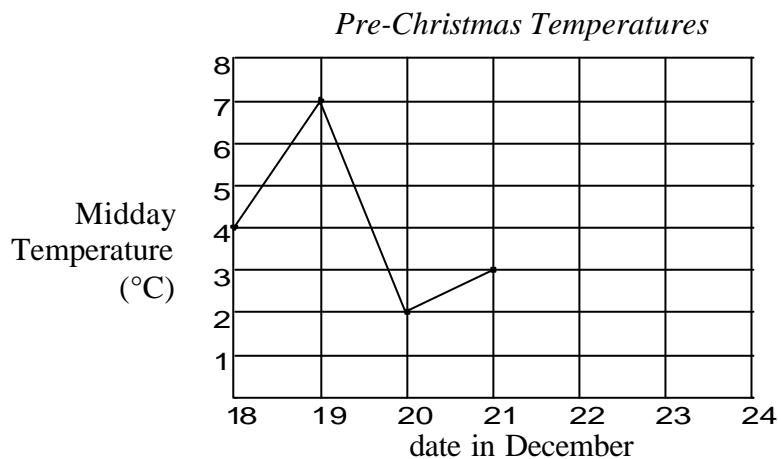
1988

22

The table shows the midday temperatures recorded the week before Christmas.

Use the information to complete the line graph below.

Date	Temperature in °C
<i>Dec 18th</i>	4
<i>Dec 19th</i>	7
<i>Dec 20th</i>	2
<i>Dec 21st</i>	3
<i>Dec 22nd</i>	6
<i>Dec 23rd</i>	5
<i>Dec 24th</i>	1



3413

23

A fishing boat leaves a harbour and sails in a south-westerly direction.

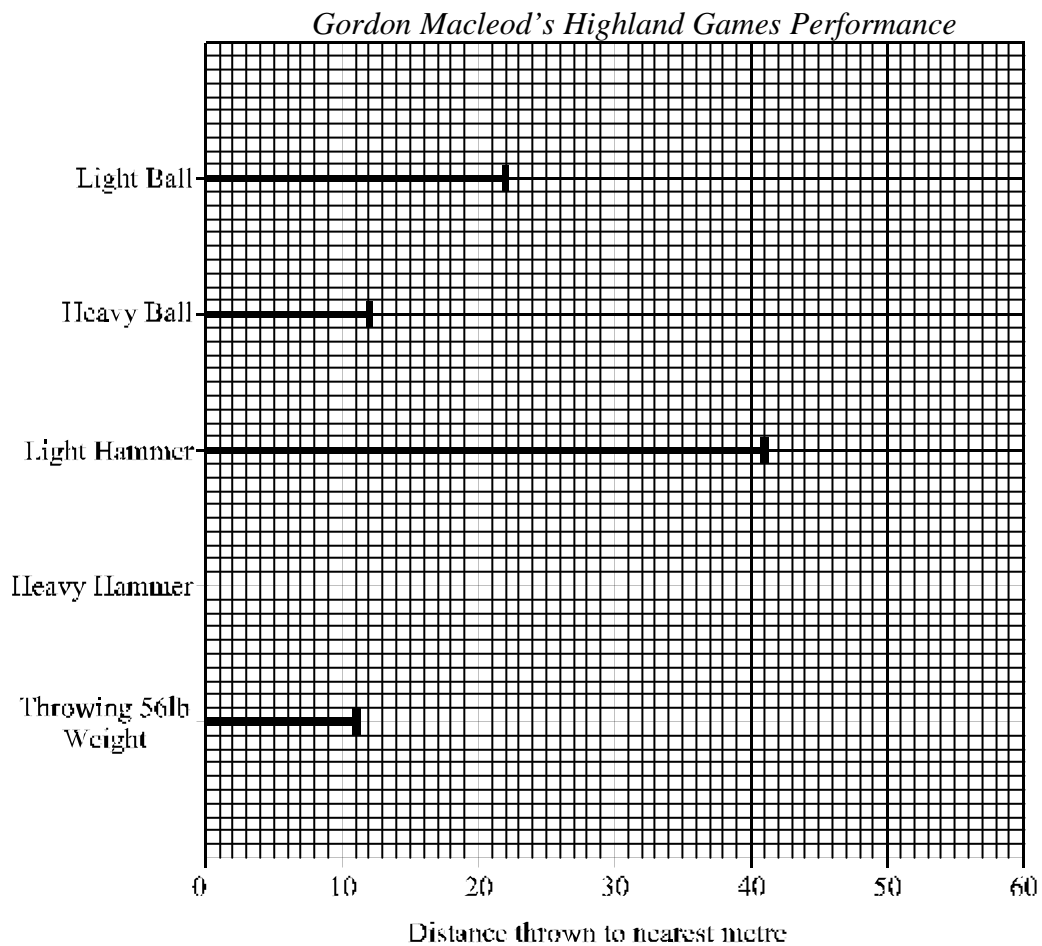
On what bearing is the boat sailing? Circle your answer.

000° 045° 135° 225° 315°

2000

24

The graph shows the performance of Gordon Macleod in different events in a Highland Games. The distances thrown are shown to the nearest metre.



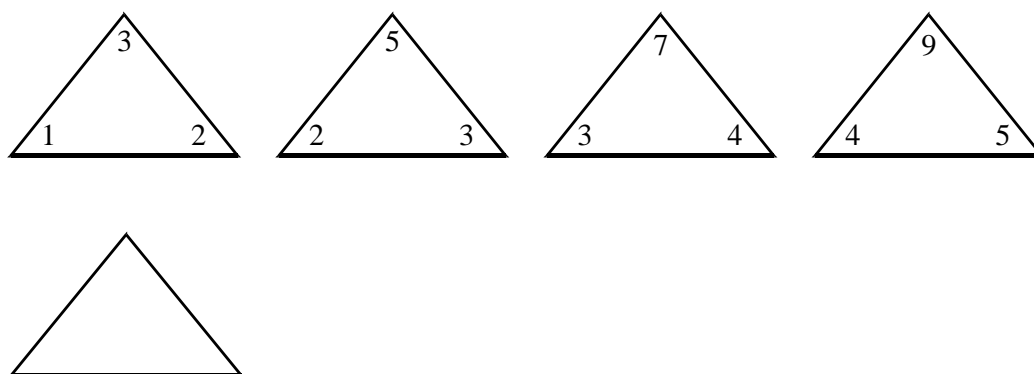
Complete the graph to show that Gordon threw the heavy hammer 37 metres.

3415

25

The numbers in the sequence of triangles form a pattern.

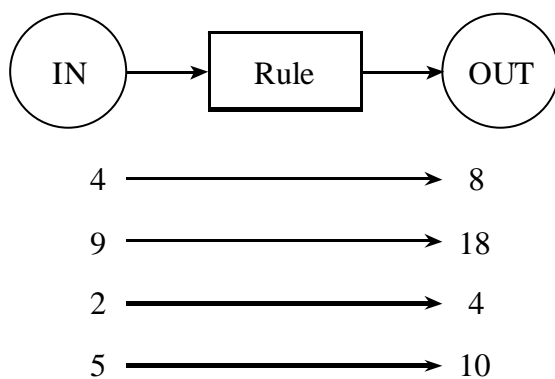
Complete the next triangle in the sequence.



2014

26

What rule does this function machine use?

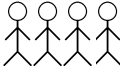
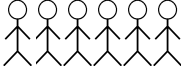
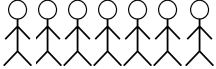


Answer: _____



1887

27

The chart shows the number of people watching a parade.

Points along the route	Estimate of number of people
Riverside	
High Street	
Bridge Street	

Key

 = 100
 people

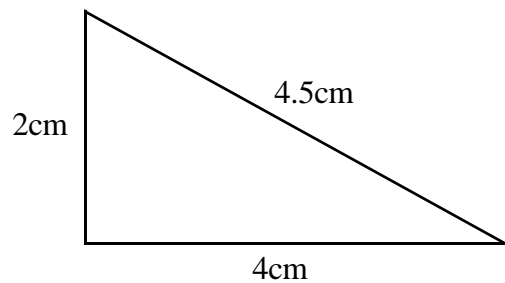
How many people watched the parade in High Street?

Answer: _____ people

4677

28

What is the perimeter of this triangle?



Answer: _____ cm

4657

29

My watch is 2 minutes fast.

10 minutes ago my watch gave the time as 20 minutes past 3.

What is the actual time now?

Answer: _____

1854

30

To paint a living room 9 litres of paint are needed.

The paint only comes in 2.5 litre tins.

How many 2.5 litre tins of paint must be bought?

Answer: _____ tins

1920

Mental Questions - for teacher use only

Questions 1 - 6 should be read to the pupils.

Read each question twice. Pause for 10 seconds between each question.

Remind pupils that they must write their answer to each question without doing any working.

(After completing the oral mental questions, instruct pupils to continue with the questions written in their assessment booklet.)

1

Subtract 22 from 39.

385

2

Write down the number twenty five thousand, nine hundred and sixty.

381

3

Divide 320 by 8.

304

4

One box of biscuits costs four pound fifty. What is the cost of 10 boxes of these biscuits?

390

5

What is three quarters of 20?

305

6

A chef bought 80 oranges. He used 25% of them to make orange juice. How many of the oranges were left?

350
