Surname		Centre Number	Candidate Number
Other Names			4

wjec cbac

ENTRY LEVEL CERTIFICATE

6300QCL-1

MATHEMATICS – NUMERACY
Written Examination

TUESDAY, 14 MAY 2019 – MORNING

1 hour

CALCULATORS MAY BE USED FOR THIS PAPER.

For Examiner's use only		
Page	**Maximum Mark**	**Mark Awarded**
3.	9	
5.	6	
7.	5	
9.	7	
11.	10	
13.	8	
15.	8	
17.	5	
18.	2	
TOTAL	60	

ADDITIONAL MATERIALS

In addition to this examination paper, you will need:

- a calculator;
- a ruler.

INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen.

Answer **all** questions.

Write your name, centre number and candidate number in the spaces at the top of this page.

Write your answers in the spaces provided in this booklet.

If you have difficulty reading a question, put up your hand and the teacher-in-charge will read it to you.
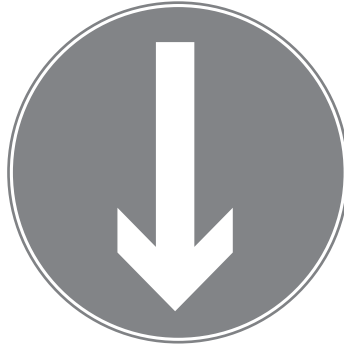
INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

*Answer **all** questions.*

1. Is the arrow pointing **left**, **right**, **up** or **down**?   [1]

....

2. Write down the number 325 **in words**.   [1]

....

....

3. Mark all the right angles in this shape.   [2]
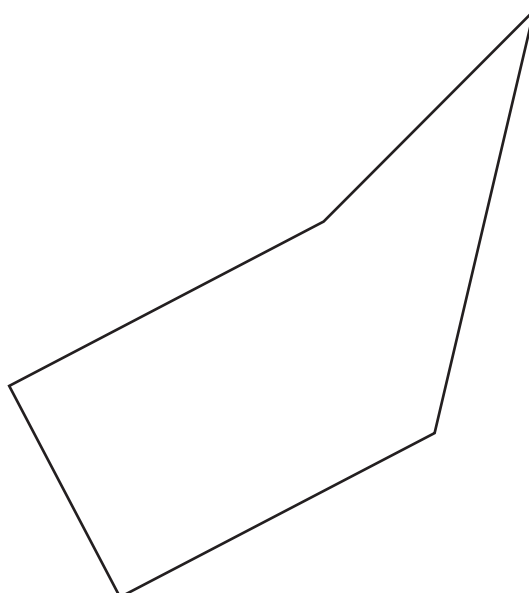
4. Order these numbers. Start with the smallest. [1]

260   259   295   206   200

....
Smallest   Largest

5. Which of the following does the digit 7 represent in the number 5792? Circle your answer. [1]

7   70   700   7000

6. 20 people were asked how many televisions they have in their home. The results are as follows:

2   4   3   4   3   3   2   2   0   2

2   1   1   2   4   3   3   2   4   1

Complete this tally and frequency table. [3]

Number of televisions	Tally	Frequency
0		
1		
2		
3		
4		

6300QCL1 03

7. Label the shapes.
Use this list of words to help you.

Square   Rectangle   Triangle   Circle   Pentagon   Hexagon   Cube

Cuboid   Cylinder   Cone   Sphere
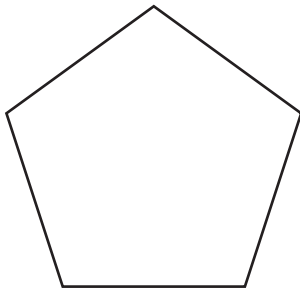
(a) [1]

....
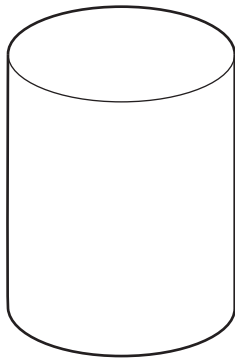
(b) [1]

....

8. This is a number machine.

| NUMBER IN | → | ADD 7 | → | NUMBER OUT |

(a) The **NUMBER IN** is 24. What is the **NUMBER OUT**? [1]

....

(b) The **NUMBER OUT** is 37. What is the **NUMBER IN**? [1]

....

....

9. Shade in half of each of these shapes.

(a) [1]

(b) [1]

10. How many right angles are there in a full turn?
Circle your answer.   [1]
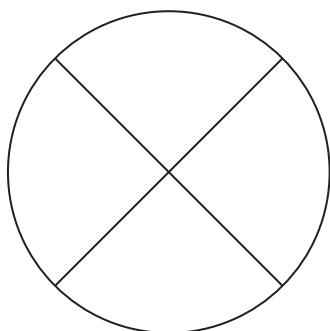
        1   2   3   4   5   6

11. On Saturday, 16 753 people went to a concert.
Round this number to:

(a) the nearest 100;   [1]

....

(b) the nearest 1000.   [1]

....

12. Look at the diagram below then answer all the following questions.

N

Boat

Bus

Car

Parachute

Bicycle

Kite
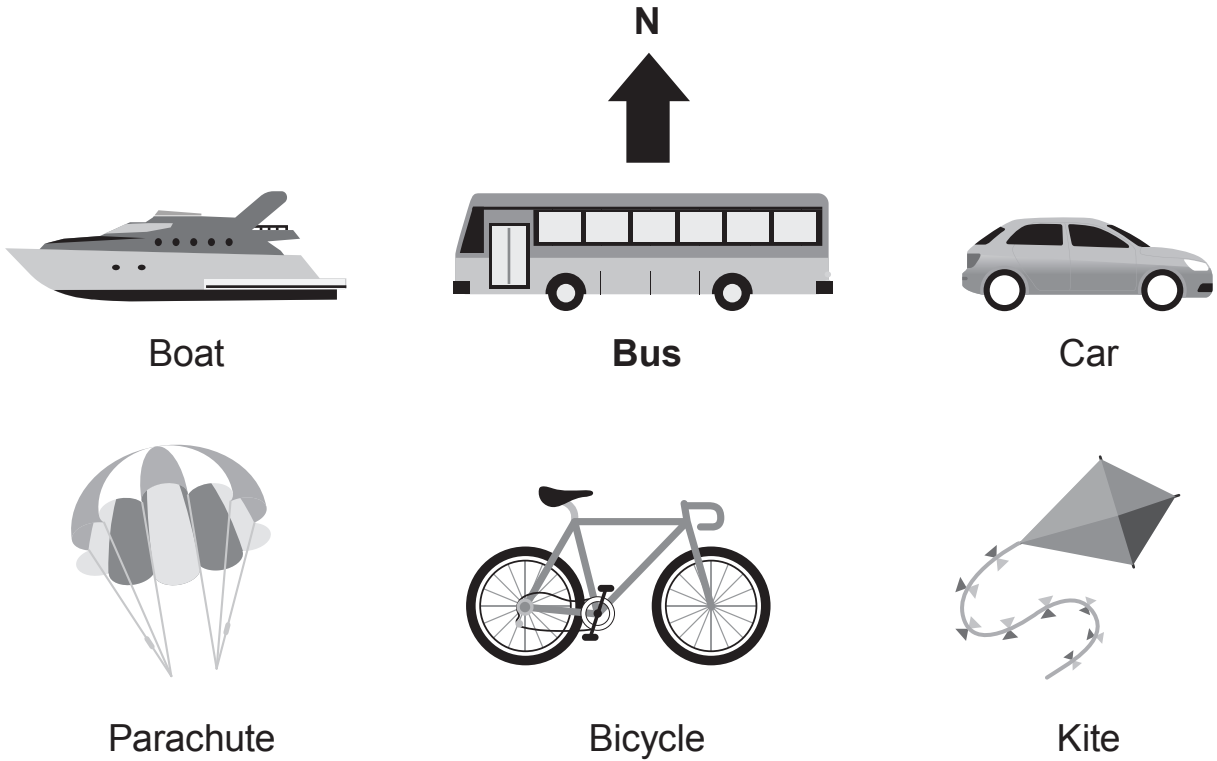
(a) What is West of the bus? [1]

....

(b) What is South East of the bus? [1]

....

(6300QCL-1)

Turn over.

5

6300QCL1
07

13. The diagram shows a cuboid.
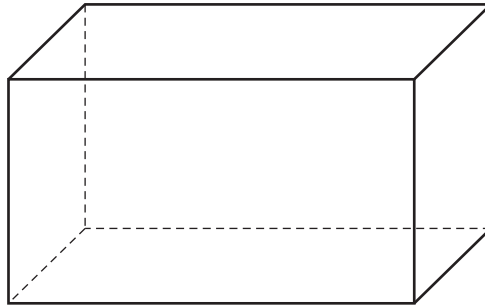
    (a) How many edges does it have? [1]

        ....

    (b) How many faces does it have? [1]

        ....

14. Write down these temperatures in order, starting with the coldest. [1]

       24°C   −14°C   3°C   −17°C   10°C

    ....

     Coldest   Warmest

15. Each of the squares in the shape shown below have sides of length 1 cm. Find the perimeter of the shape. [1]

       Perimeter .... cm

(6300QCL-1)
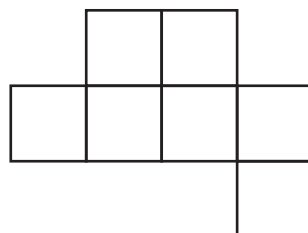
16. Val measures the depth of water in a bath.
She presents her results in a graph.

Depth of water (cm)

Time (seconds)
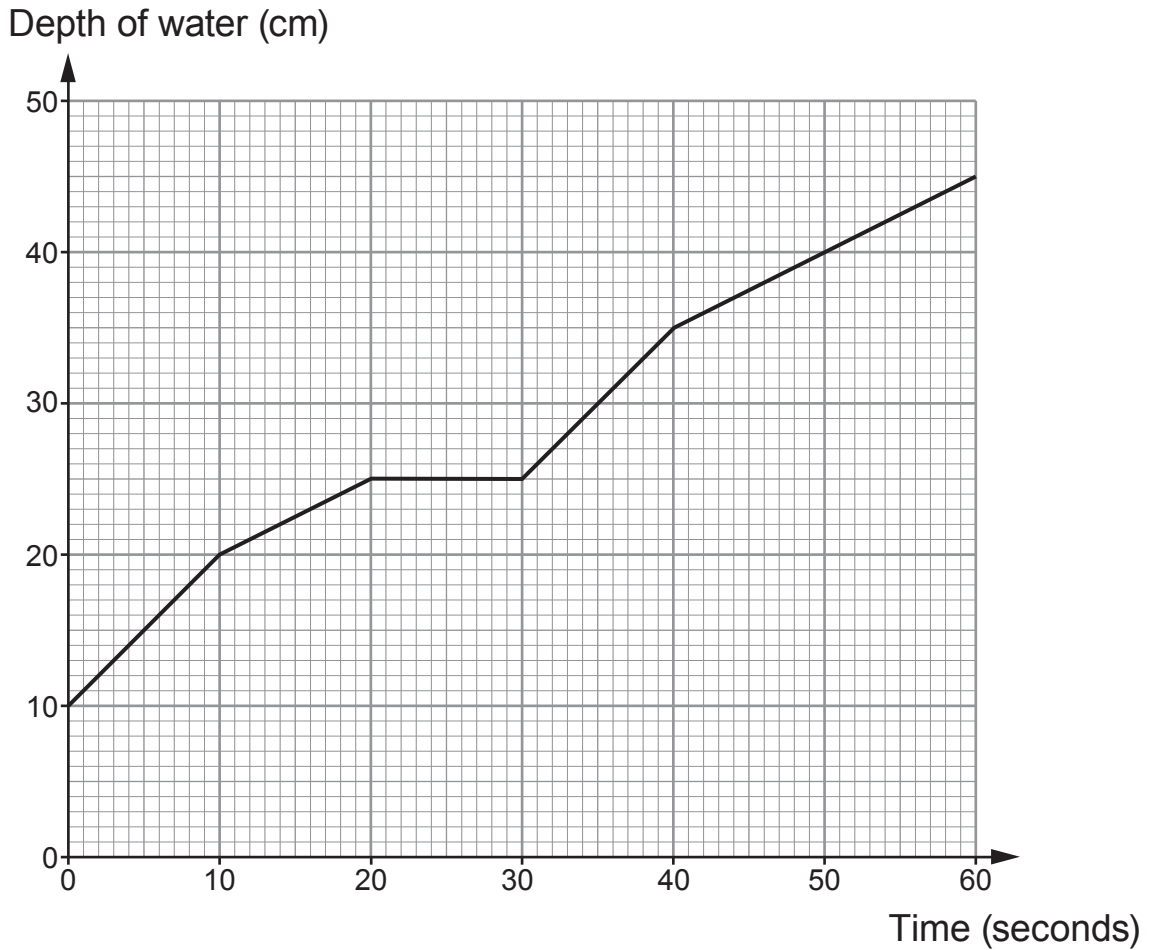
(a) What was the depth of the water after 10 seconds? [1]

.... cm

(b) How many seconds did it take for the water to reach a depth of 35 cm?
[1]

.... seconds

(c) For how long did the depth of the water stay at 25 cm? [1]

.... seconds

6300QCL1
09

Examiner only

17. What is $\frac{1}{10}$ of 30? [1]

....

18.

Bananas:
84p for a bunch of 4
OR
sold for 24p each

Lois buys 2 bunches of bananas and one extra banana.

(a) How many bananas does Lois buy altogether? [1]

....

....

(b) How much will Lois pay for all of the bananas she buys?
Give your answer in pounds. [3]

....

....

£ ....

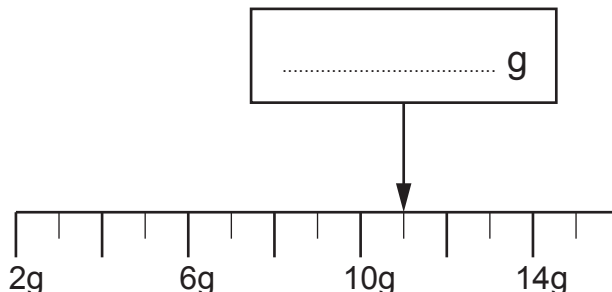**19.** On each diagram the arrow is pointing to the mass on a scale.
Write down the mass shown on each diagram.

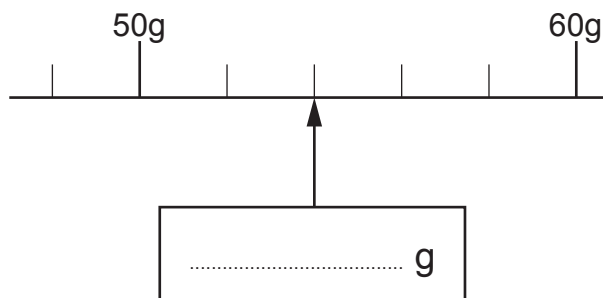*(a)*   [1]

```
┌─────────────────────────────┐
│ .................................... g │
└─────────────────────────────┘
               │
               ▼
  |  |  |  |  |  |  |  |  |  |  |  |  |
  2g        6g        10g       14g
```

(b)   [1]

```
      50g                          60g
  |    |    |    |    |    |    |
               ▲
               │
┌─────────────────────────────┐
│ .................................... g │
└─────────────────────────────┘
```

20. Choose **one** of the units given below to best describe each of the following.

mm   cm   m   km   cm^3 ml   litre   g   kg

(a) Mass of a large dog.		.... [1]
(b) Volume of tea in a cup.		.... [1]
(c) Length of an aeroplane.		.... [1]

21. What fraction of this shape is shaded?   [1]

....

22. Choose the best word from the list below to describe the chance of each of
the following events happening.

impossible   unlikely   even chance   likely   certain

(a)   There will be clouds in the sky somewhere in the world today.   [1]
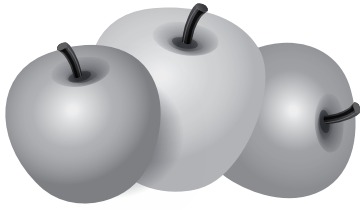
....

(b)   Someone will jump over a wall 100 metres high.   [1]

....
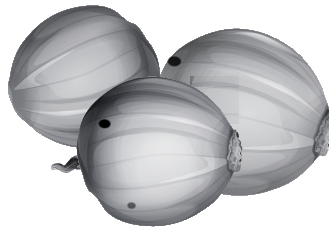
23.

3 apples weigh
140 g

3 onions weigh
220 g

A bag of sprouts
weighs 170 g

(a) Gareth goes shopping.
He buys 3 apples, 3 onions and a bag of sprouts.

What is the total mass of Gareth's shopping? [2]

....

....

....

....

Total mass is .... g

(b) Harry buys 280 g of these apples.
How many apples does he buy? [2]

....

....

....

Number of apples ....

24. Circle the value of the 6 in the number 54·63. [1]

$\quad$ 6 $\qquad$ 16 $\qquad$ 60 $\qquad$ $\dfrac{6}{10}$ $\qquad$ $\dfrac{6}{100}$

8

25. Circle **all** of the odd numbers in the list.   [1]

23   26   332   404   625

26.
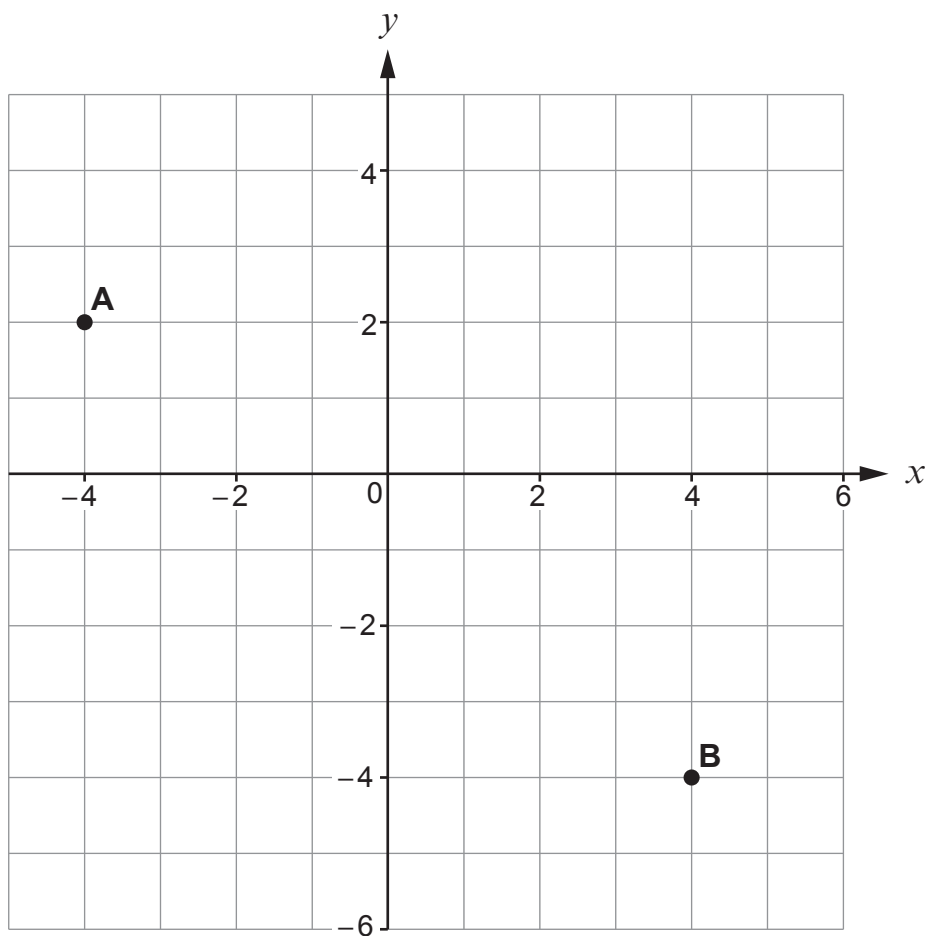
(a) Write down the co-ordinates of point **A**.   [1]

(............................. , ...)

(b) Write down the co-ordinates of point **B**.   [1]

(............................. , ...)

27. Nerys counted the number of people in the library every day from Monday to Friday.

62   43   28   37   28

(a) What is the range? [1]

....

....

(b) What is the mode? [1]

....

....

(c) What is the median? [1]

....

....

28. Katy buys 3 pasties at £1.29 each.

(a) How much does she spend buying 3 pasties? [1]

....

....

(b) She pays with a £5 note.
How much change should she get? [1]

....

....

29. Carolyn uses this formula to work out the number of grams of butter she needs in a recipe.

$$\text{Number of grams of butter} = \frac{1}{2} \times \text{number of grams of flour.}$$

The recipe uses 480 g of flour.
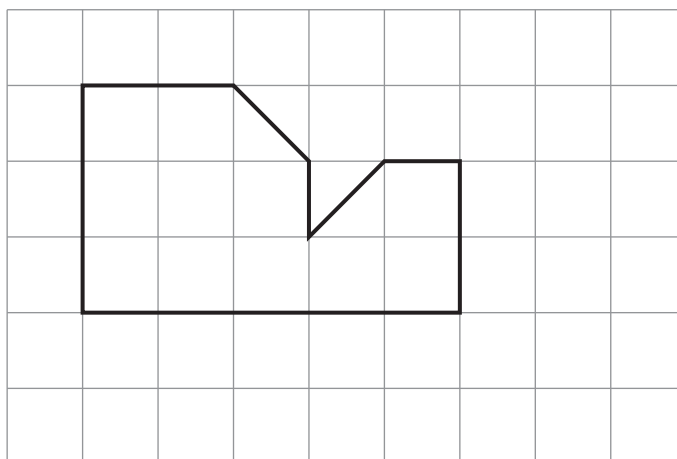How many grams of butter does Carolyn need? [1]

....

....

Number of grams of butter .... g

30. This shape is drawn on cm² paper.

What is the area of this shape? [1]

....

....

Area is .... cm²

31. Solve the equation.   [1]

$$x + 8 = 20$$

....

....

$x =$ ....

32. Each of the clocks below show a time in the **morning**.
Write the time using a.m. or p.m.

(a)
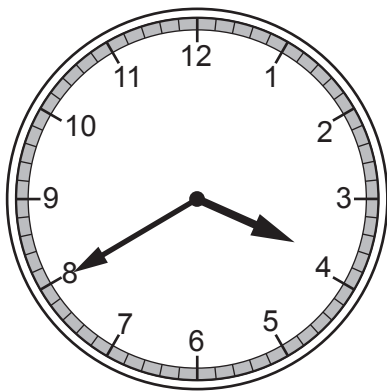
.... [1]

(b)
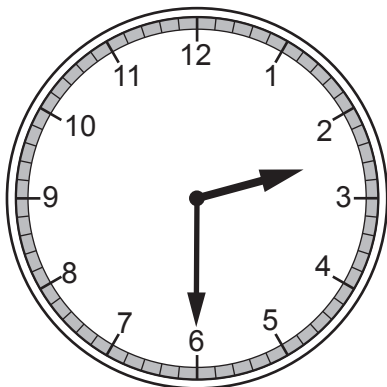
.... [1]

33. Circle the correct answer for the following statements.

(a) The two numbers that have a sum of 25 are [1]

5 and 5   7 and 18   1 and 25   5 and 30

(b) The two numbers that have a product of 30 are [1]

15 and 15   14 and 16   5 and 6   0 and 30

2

END OF PAPER

BLANK PAGE