



MATHS PRACTICE PAPER – 3

NAME _____ YEAR 6 _____ DATE _____ Marks _____ / 60

SECTION A

ANSWER ALL THE QUESTIONS

In section A, put a cross in one box to indicate your answer. If you change your mind,

Put a line through the box and then put a cross in one box.

Each question in section A is worth one mark.

1. Calculate $219 + 791$

1100

1001

1010

1011

2. Which of these lie between 6.3 and 6.6?

6.2

6.9

6.05

6.41

3. John has stamps of different countries. $\frac{1}{3}$ of the stamps are British.

If he has 36 British stamps how many stamps does he have in total?

12

36

48

108

4. Dev has 10 counters. Jan has 16 more than half of Dev's counters.

How many counters does Jan have?

13

16

21

24

5. Which of these fractions is equivalent to $\frac{3}{4}$?

$$\frac{30}{44}$$



$$\frac{21}{28}$$



$$\frac{13}{14}$$



$$\frac{23}{24}$$



6. What number is exactly **halfway** between ten and negative twenty?

-10



-5



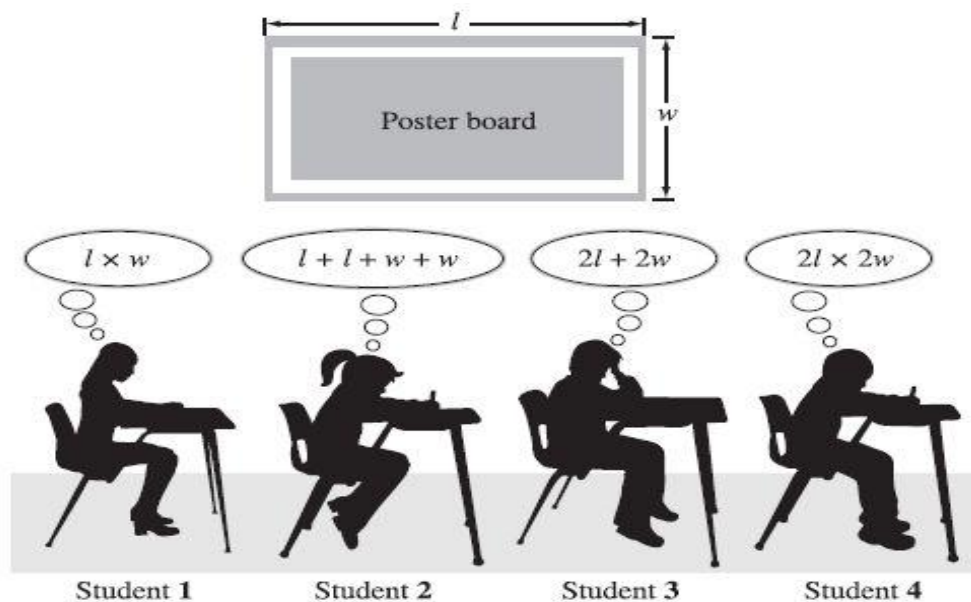
0



5



7. Four students are thinking about how to decorate a rectangular poster board for a school project.



The two students who correctly determined expressions for the perimeter of the poster board are students:

1 and 4



1 and 3



2 and 4



2 and 3



8. What is $1 - 0.001$?

0.09



0.009



0.90



0.999



9. Julie put a box on a shelf that is 96.4 cm long. The box is 33.2 cm long.

What is the longest box she could put on the rest of the shelf?

99.6 cm

66.4 cm

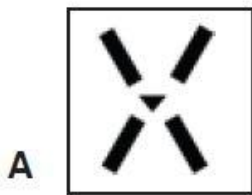
96.4 cm

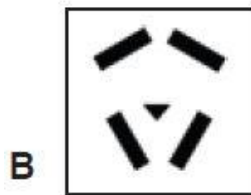
63.2 cm

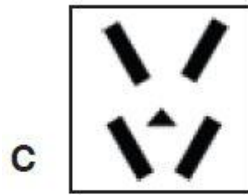
10. Nayana's radio has this kind of a plug.

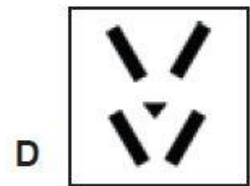


She has to put the plug into a socket. Which socket will the plug fit into?









11. Some students were asked if they like apples and bananas.

The results are shown in this table.

| | | Bananas | |
|--------|-------------|---------|-------------|
| | | Like | Do not like |
| Apples | Like | 25 | 4 |
| | Do not like | 3 | 1 |

How many students liked bananas, but did **not** like apples?

25

4

3

1

12. The shape shown below is a / an _____



Hexagon



pentagon



heptagon



octagon



13. Amy is working out a calculation. She rounds **both** numbers to the nearest **whole number**.

The answer is 8. Which calculation is she working out?

$14.57 - 8.14$



$14.57 - 8.4$



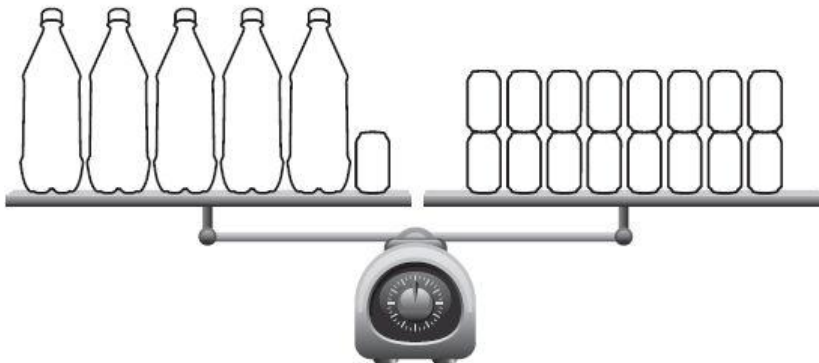
$14.57 - 6.91$



$14.56 - 9.51$



14. Tom balances some bottles and cans on a scale.



If Tom removes **two** bottles, how many cans need to be removed to keep the scale balanced?

3



4



5



6



15. $3.8 \times 100 \div 1000 =$

3.80



3.008



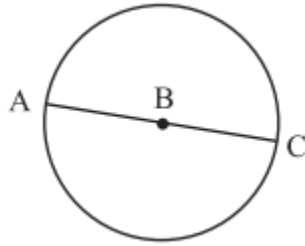
0.38



0.038



16. Which term describes line segment AC ?



Centre

radius

diameter

circumference

17. Area of a rectangle is 36 cm^2 and its perimeter is 30 cm.

The length and breadth of the rectangle is:

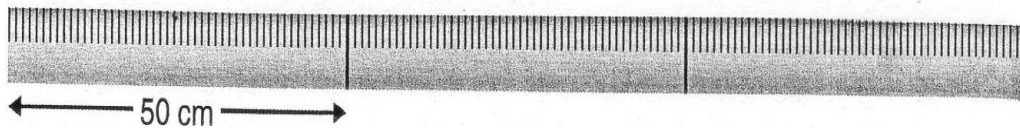
9 cm and 4 cm

10 cm and 3 cm

15 cm and 2 cm

12 cm and 3 cm

18. Three 50 centimetre rulers are placed in a line.



What is the total length?

50 cm

1 metre

1 m 50 cm

15 m

19.

$$(56 \div \square) \times 6 = 42$$

7

8

9

10

20. Round 124 531 to the nearest 1000.

124000

125000

120000

124500

SECTION B

Answer ALL questions

21. Here is a number grid.

| | | |
|----|----|----|
| 74 | 75 | 76 |
| 84 | 85 | 86 |
| 94 | 95 | 96 |

Circle the number that can be divided by 7 with a remainder of 1.

(Total for Question 21 is 1 mark)

22. Lyla is writing the prime numbers in order.

Write in the prime numbers she has missed.

2, 3, 5, 7,, 13,, 19, 23

Write the next two numbers in the sequence .

1, 4, 9, 16, 25,,

(Total for Question 22 is 2 marks)

23. Calculate:

$$2358 \div 9$$

.....

(Total for Question 22 is 2 marks)

24.

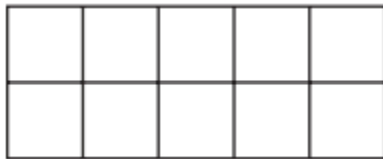


a) Write down the fraction of the shape that is shaded.

.....

(1)

b) Shade 30% of this shape.



(Total for Question 24 is 2 marks)

25. Write the multiples to make this addition correct.

$$\begin{array}{c} \square \\ \uparrow \\ \text{multiple of 3} \end{array} + \begin{array}{c} \square \\ \uparrow \\ \text{multiple of 4} \end{array} = \begin{array}{c} \square \\ \uparrow \\ \text{multiple of 5} \end{array} \begin{array}{c} 30 \end{array}$$

(Total for Question 25 is 1 mark)

26. Rose and Grace each have a parcel.

Rose's parcel weighs $1\frac{3}{4}$ kg.

Grace's parcel weighs 1.35 kg.

How many more grams did Rose's parcel weigh than Grace's? grams

(Total for question 26 is 1 mark)

27. A set of five numbers have a mean of 7. The median of the set is 7.

Find the missing numbers in the set.

10, 4, 8,,

Complete the set.

.....,,,,

(Total for question 27 is 2 marks)

28. In a survey people had to choose A, B, C or D. The percentages for B, C, and D are shown.

| A | B | C | D |
|---|-----|-----|-----|
| | 25% | 35% | 30% |

85 people chose B. How many **people** chose A?

..... people

(Total for Question 28 is 2 marks)

29. $L = 3a + 2c$

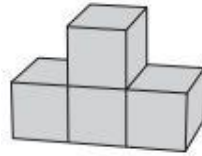
$a = 5; \quad c = 8$

Work out the value of L

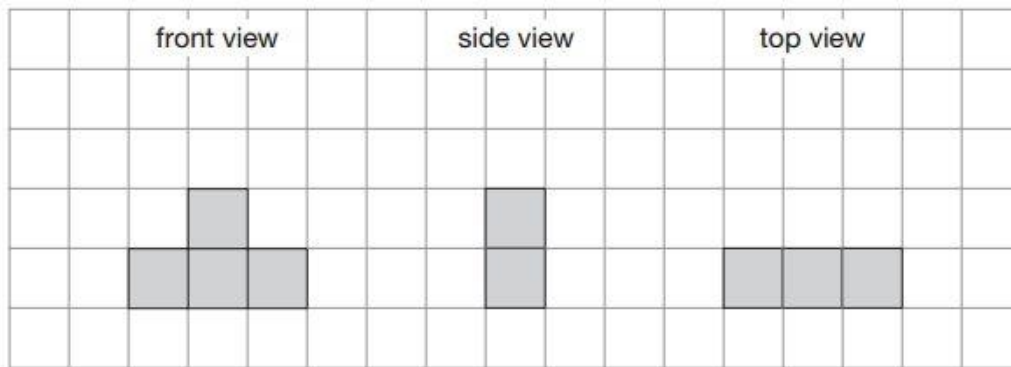
.....

(Total for Question 29 is 2 marks)

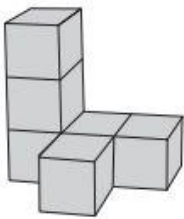
30. Alison builds a shape with these cubes.



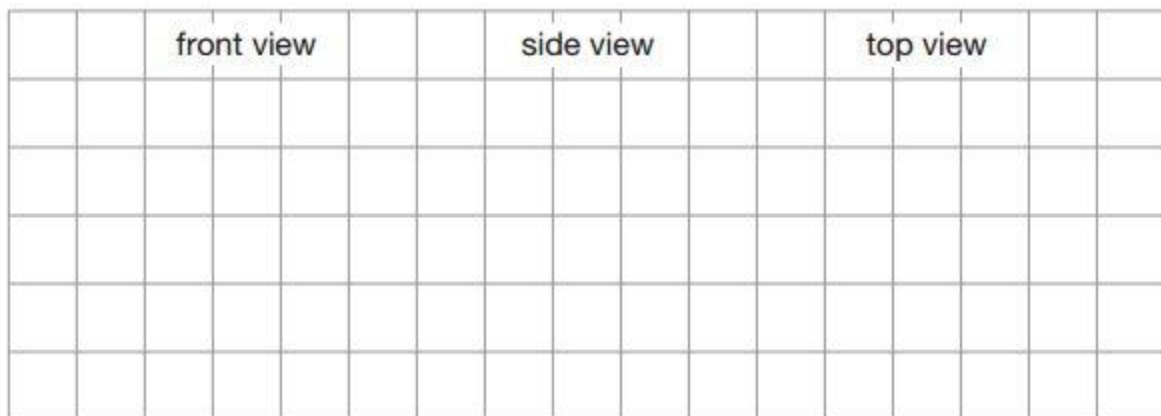
These are the front view, side view and top view of her shape.



Garry builds a different shape with some cubes.



Draw the front view, side view and top view of his shape.

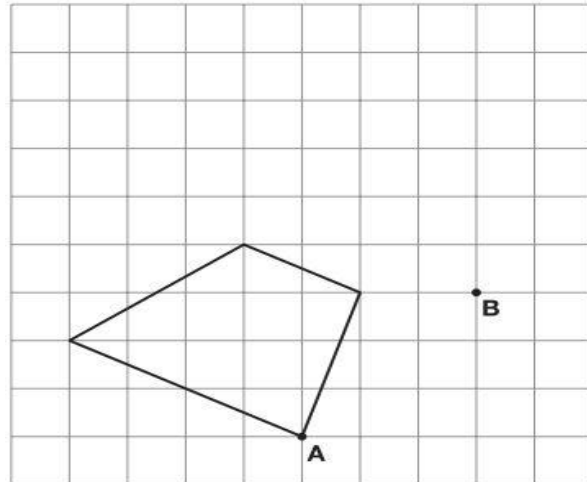


(Total for Question 30 is 3 marks)

31. Here is a quadrilateral on a square grid.

The quadrilateral is translated so that point A moves to point B.

a) Draw the quadrilateral in its new position.



b) Describe the translation, from point A to point B.

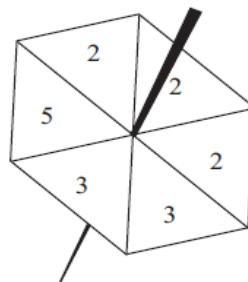
.....

(Total for Question 31 is 2 marks)

32. Meena has a fair five sided spinner.

The sides of the spinner is numbered

2, 2, 2, 3, 3, 5



Meena spins the spinner once.

a) Which number is the spinner is likely to land on?

(1)

b) Write down the probability that the spinner will land on 3.

(1)

(Total for Question 32 is 2 marks)

33. Here are the first four terms of a number sequence.

3 7 11 15

a) Write down the next term of the sequence.

(1)

b) Write down the 51st term of the sequence.

(1)

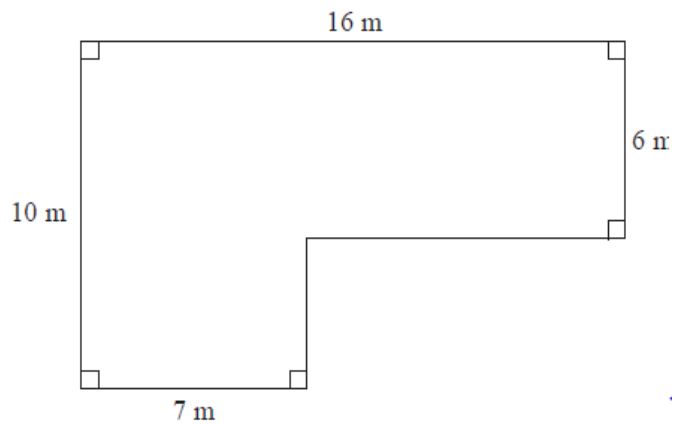
c) The number 372 is not a term in the sequence.

Explain why.

.....
.....

(Total for Question 33 is 3 marks)

34. The diagram shows a plan of a field.



Kevin is going to keep some cows in the field.

Each cow needs area of 36 square metres.

What is the greatest number of cows Kevin can keep in the field?

..... COWS

(3)

(Total for Question 34 is 3 marks)

35. Work out the value of y .

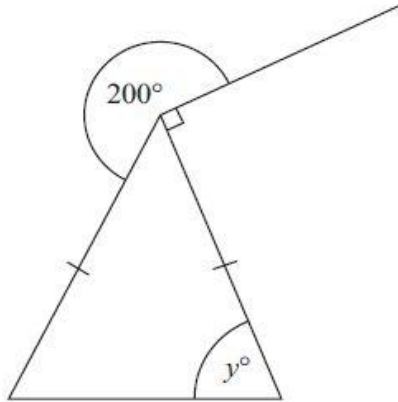


Diagram **NOT** accurately drawn

Give reasons for your answer.

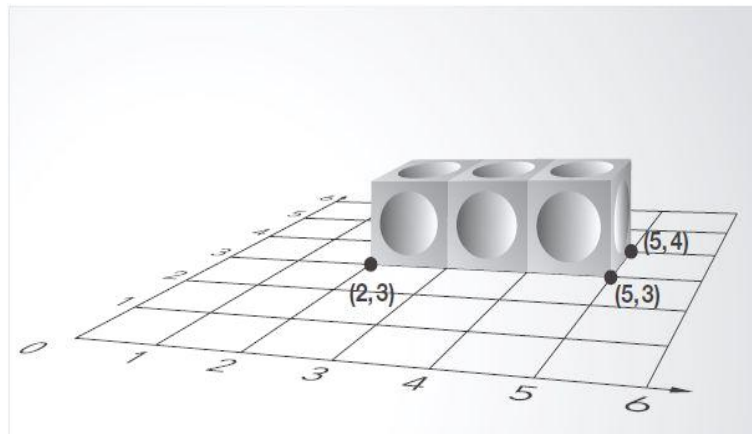
$Y = \dots\dots\dots^\circ$

.....
.....

(Total for Question 35 is 2 marks)

36. Jeff places three cubes on a coordinate grid.

The base of this shape is **rectangle**.



Complete this sentence:

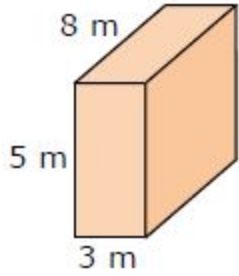
The four **vertices** of this rectangle are:

(2, 3) (5, 3) (5, 4) and

(,)

(Total for Question 36 is 1 mark)

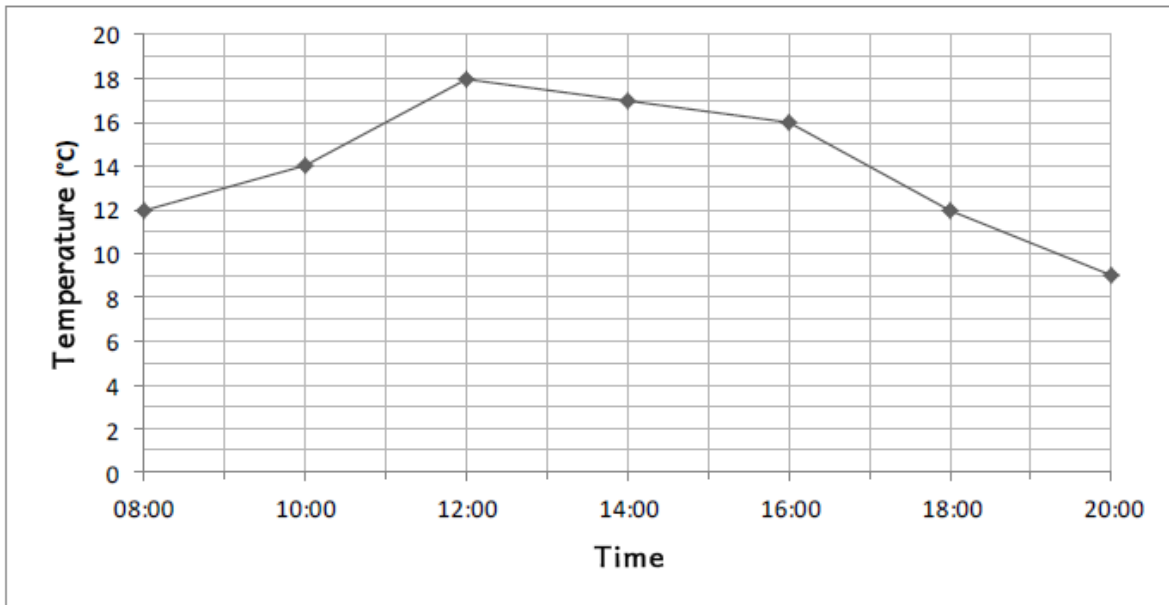
37. Find the surface area of this cuboid:



..... cm²

(Total for Question 37 is 3 marks)

38. This line graph shows the temperature in °C, in Malta, over 12 hours.



a) What is the temperature at mid day?

(1)

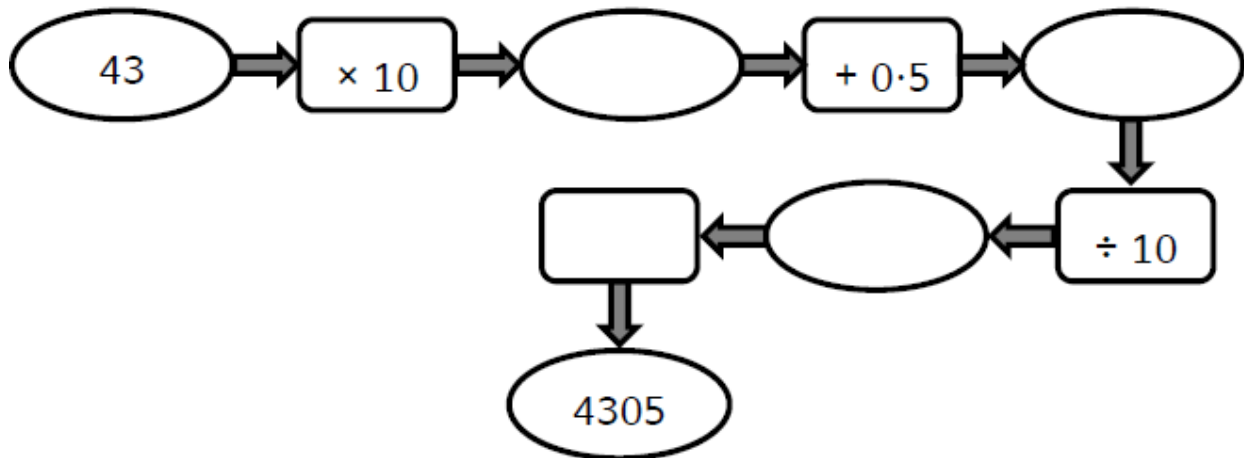
b) What is the difference in temperature between 08:00 and 12:00?

(1)

c) At what time does it reach 16°C ? and

(Total for Question 38 is 3 marks)

39. Complete:



(Total for Question 39 is 2 marks)

40.(a) Jacob spends 6 hours at school every day.

What fraction is this, of the whole day?

Write your answer in its simplest form.

.....

(1)

b) Jacob starts his homework at 20 minutes to 4 in the afternoon.

- He spends half an hour on Maths.
- He stops for 10 minutes for a snack and another 15 minutes to call a friend.
- Then he continues his homework for another 25 minutes.

At what time does he finish his homework?

.....

(1)

(Total for Question 40 is 2 marks)

TOTAL FOR SECTION B IS 40 MARKS

TOTAL FOR PAPER IS 60 MARKS