

11 Plus

Maths - Test Paper 2

Explore our Education Quizzes website, where you'll find 70 quizzes designed to assist you in preparing for **Maths 11-Plus**

This paper contains 34 questions.
The total marks for this paper is 52.
Time Allowed: 1 hour



Instructions

- Use **black** ink or ball-point pen.
- Answer **all** questions.
- Answer the questions in the spaces provided.
- **Calculators must not be used.**

Information

- The total mark for this paper is 52.
- The marks for each question are shown in the right hand column with each question.
- Some questions have a method box like the one below.
- Show your working out in the space around the 'Answer' box..

A blank sheet of graph paper with a grid pattern. A rectangular box is drawn on the right side of the page.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- If you cannot do a question, go to the next one and come back to it later.
- Check your answers if you have time at the end.
- If you finish early, go back and check your work.



[illegible][illegible]

Find the difference between 7.42 and 3.76

Answer



5

Calculate 57×150

Answer

1 Mark

Calculate 57×150

Answer

[illegible]

What is the result of 14 multiplied by 6.03?

Answer

Calculate $375 \div 25$

Answer

8

Divide 16 by 0.4

Answer

1 Mark

Divide 16 by 0.4

Answer

[illegible]
$$32 + 876 = 90?$$

Answer

Insert answers in red box and show method where required.

10

$$0.57 + 3.21 = 3.78$$

Answer

1 Mark

11

$$870 - 158 = 672$$

Answer

1 Mark

12

$$? - 6 = -3$$

Answer

1 Mark



Answer

14

2.1 ÷ 3 = 0.?

Answer

1 Mark

Answer

15

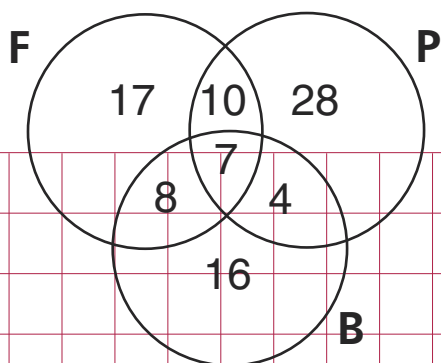
Place the following numbers in order, starting with the smallest:

535.101			
535.1			
505.35			
535.011			
535.99			

1 Mark

535.99

16



Some children made this Venn diagram of the food they prefer.

F = Fish
P = Pies
B = Burgers

- A. How many children like fish? _____
- B. How many children like pies? _____
- C. How many children like burgers? _____
- D. How many children like fish and pies? _____
- E. How many children don't like pies? _____
- f. How many children altogether were counted in the diagram? _____

1 Mark

1 Mark

1 Mark

1 Mark

1 Mark

1 Mark

17

Which is greater, 15% of 500 or 50% of 200?
(Show your working out)

Answer

1 Mark



18

Michael has 30 loose socks in his drawer. $\frac{1}{5}$ of them are blue and $\frac{2}{3}$ of them are white.

A. How many of the socks are neither blue nor white?

Answer

1 Mark

B. What fraction of the socks in the drawer are neither blue nor white?

Answer

1 Mark

19

How many minutes are there in 5 days, 6 hours and 7 minutes?

Answer

1 Mark



20

In this question, letters of the alphabet are assigned a number values: A = 1, B = 2, C = 3 D = 4 ...

The product value of a word is created by multiplying the value of the letters.

For example, the word 'CAT' = $3 \times 1 \times 20 = 60$

A. What is the sum total of the word 'YET'?

Answer

1 Mark

B. List the following words in order of their sum total, starting with the lowest.

BEEF

Answer

EGG

Answer

HAM

Answer

TUNA

Answer

1 Mark

C. Which three letter English word can be inserted to complete the sum below (adding with the product value of 'BEG' to make the product value 'RAG'?

BEG + ? = RAG

Answer

1 Mark



Insert answers in red box and show method where required.

21

A. $\frac{1}{6} + \frac{1}{3} =$

Answer

B. $\frac{3}{7} + \frac{3}{8} =$

Answer

C. $\frac{3}{7} + \frac{3}{8} + \frac{11}{28} + \frac{5}{14}$

Answer

1 Mark

22

The yearly charge, C in pence, for water can be found by using the formula $C = 150u + 650$. where u is the number of units of water used during the year.

Find the yearly charge if 85 units of water are used.

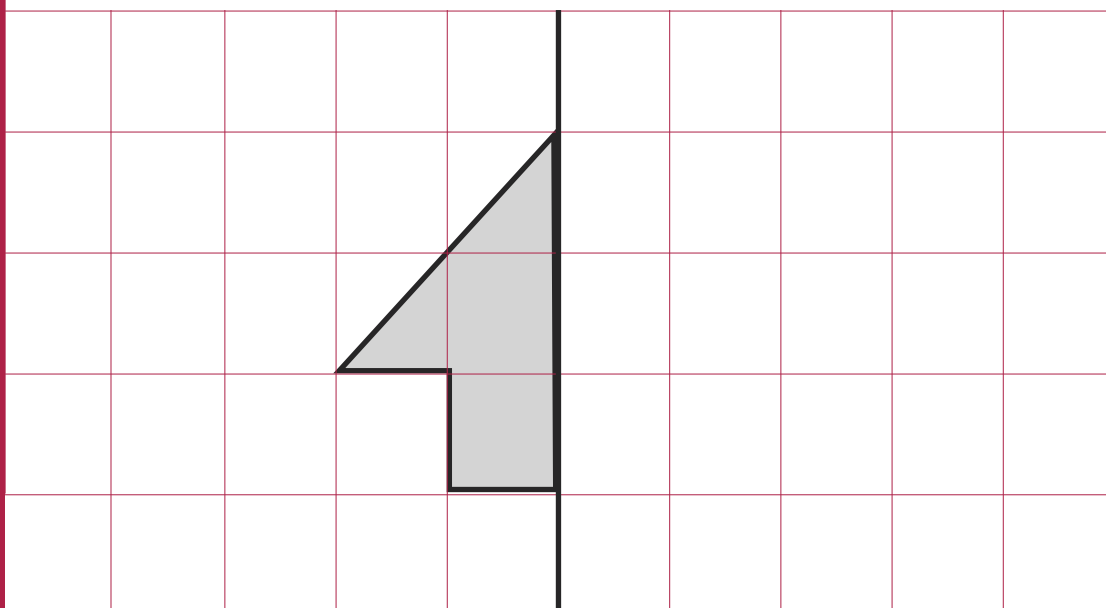
Answer

1 Mark



23

Complete the shape below by reflecting the part of the shape shown in the solid mirror line.



1 Mark

24

The shape shown above is a rhombus. Which of the following statements are TRUE and which are FALSE? Write T or F next to each statement.

A. The sides are all of equal length

1 Mark

B. All of the angles are the same size

1 Mark

C. Angles in a rhombus add up to 360 degrees

1 Mark

D. There are two lines of symmetry

1 Mark

E. There are four lines of symmetry

1 Mark

F. The rhombus has two pairs of parallel lines

1 Mark



27

Carole is completing a table of values for the formula $5(n+3)$

She has completed the first row of the table.

n	$5(n+3)$
3	30
14	
	120

1 Mark

28

The ages of Grandad, Uncle Gary and Tom add up to 126 years. Grandad is three times as old as Uncle Gary, and Uncle Gary is twice as old as Tom.

A. Grandad is _____ old.

1 Mark

B. Uncle Gary is _____ old.

1 Mark

C. Tom is _____ old.

1 Mark



29

A. Find the area of a room which is 7 metres long and 13 metres wide.

Answer

1 Mark

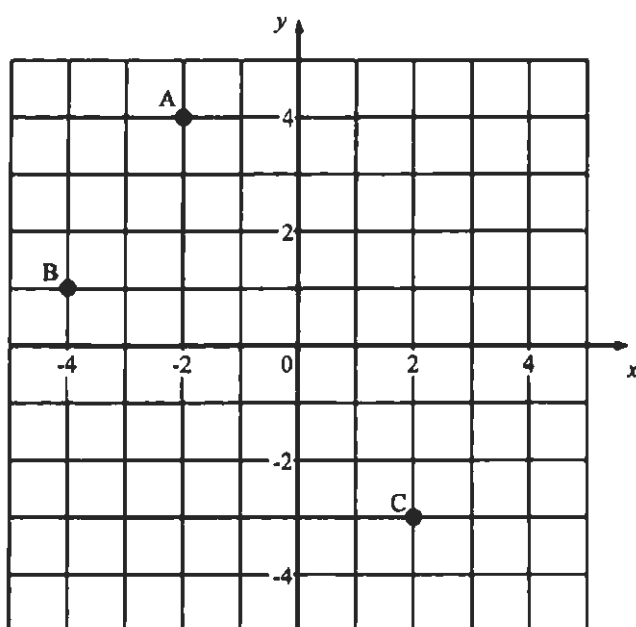
B. What is the perimeter of the room?

Answer

1 Mark

30

The grid below contains three points, labelled A, B and C. 'A' has co-ordinates $(-2, 4)$ and 'B' has co-ordinates $(-4, 1)$.



A. Write down the co-ordinates of point C.

Answer

1 Mark

B. Add a fourth point, labelling it D, so that when they are joined in the order ABCD the four points create a rectangle. Write the co-ordinates of point D below.

Answer

1 Mark



31

Fill in the missing numbers in each sequence:

A. 18 25 32

1 Mark

B. 5 9.5 14

27.5

1 Mark

C. 4 6 9 13

31

1 Mark

D. 3 _____ 13

23

33

1 Mark

32

Write down all the factors of 12.

Answer

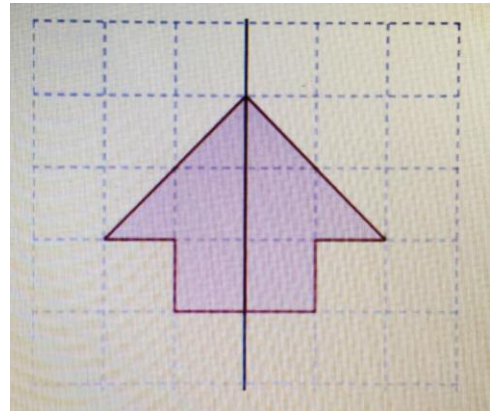
1 Mark



Answers

- 1) 2241(1 mark)
- 2) 24.66(1 mark)
- 3) 887(1 mark)
- 4) 3.66(1 mark)
- 5) 8550(1 mark)
- 6) 84.42(1 mark)
- 7) 15(1 mark)
- 8) 40(1 mark)
- 9) 8(1 mark)
- 10) 2(1 mark)
- 11) 3(1 mark)
- 12) 3(1 mark)
- 13) 2(1 mark)
- 14) 7(1 mark)
- 15) 505.35, 535.011, 535.1, 535.101, 535.99(1 mark)
- 16a) 42(1 mark)
- 16b) 49(1 mark)
- 16c) 35(1 mark)
- 16d) 17(1 mark)
- 16e) 41(1 mark)
- 16f) 90(1 mark)
- 17) 50% of 200(1 mark)
- 18a) 4(1 mark)
- 18b) $\frac{2}{15}$ (1 mark)
- 19) 7567(1 mark)
- 20a) $25 \times 5 \times 20 = 2500$ (1 mark)
- 20b) HAM, EGG, BEEF, TUNA(1 mark)
- 20c) HAG(1 mark)
- 21a) $\frac{3}{6}$ or $\frac{1}{2}$ (1 mark)
- 21b) $\frac{45}{56}$ (1 mark)
- 21c) $1 \frac{31}{56}$ (1 mark)
- 22) £134.00(1 mark)

- 23)(1 mark)



- 24a) False(1 mark)
- 24b) False(1 mark)
- 24c) True(1 mark)
- 24d) False(1 mark)
- 24e) False(1 mark)
- 24f) True(1 mark)
- 25) 2500g(1 mark)
- 26) 198cm(1 mark)
- 27) 85, 21(1 mark)
- 28a) 84(1 mark)
- 28b) 28(1 mark)
- 28c) 14(1 mark)
- 29a) 91 metres squared(1 mark)
- 29b) 40 metres(1 mark)
- 30a) (2, -3)(1 mark)
- 30b) (4, 0)(1 mark)
- 31a) 39, 46(1 mark)
- 31b) 18.5, 23(1 mark)
- 31c) 18, 24(1 mark)
- 31d) 8, 18, 28(1 mark)
- 32) 1, 2, 3, 4, 6, 12(1 mark)

