

Maths Star

Eleven Plus Mathematics Practice paper

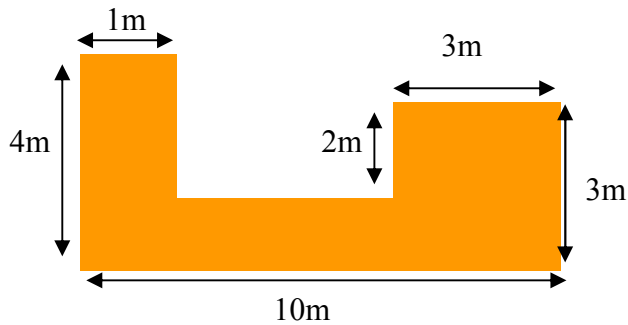
Multiple Choice

Instructions and Handy Hints

- This test contains 30 questions. You have 30 minutes to complete the paper, so you should spend an average of 1 minute on each question.
- There is a separate answer sheet. Mark the answer with a firm line. Use a pencil for this. If you make a mistake, put an X through it and mark your new answer with a pencil line.
- You are not allowed to use a calculator.
- You can use separate paper to do your working out.
- If you do not know an answer, leave it out and go back to it at the end . . . don't waste time!

Maths Question 1

Find the area of the shape:



Maths Question 2

What number would fill in the blank space?

$$253 - \underline{\quad} = (1.5 + 2.5) \times 55$$

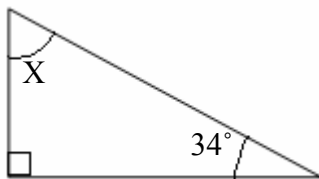
Maths Question 3

Which of the following fractions is the same as 0.125?

A: $\frac{1}{4}$ B: $\frac{1}{8}$ C: $1\frac{2}{5}$ D: $\frac{12}{5}$ E: $\frac{1}{125}$

Maths Question 4

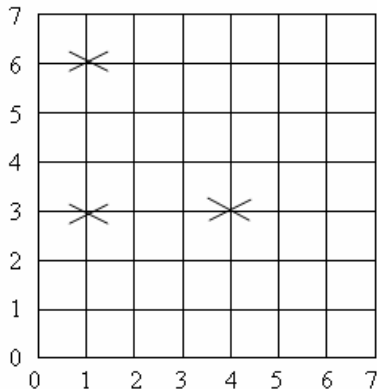
What is the value of the angle marked x?



Maths Question 5

In Barry's sweet shop, humbugs cost £1.80 per bag and sherbet lemons cost £1.30 per bag. How much change does Mohit get if he buys 2 bags of humbugs and a bag of sherbet lemons and pays with a £5 note?

Maths Question 6



Brandon wants to make a square on his grid. At which coordinates should he place his final point?

Maths Question 7

The supermarket had a sale on their bottles of lemonade. Instead of selling them for 80p per bottle, they sold them for 55p per bottle.

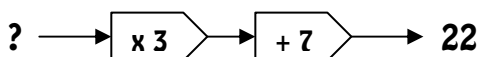
They sold 200 bottles of lemonade in a week.

How much less did they take by selling at the lower price?



Maths Question 8

This is Melanie's function machine.



What number did she start with?

Maths Question 9

Mary has a pack of 52 cards. She picks a card at random from the pack. What is the probability that it will be a king?

Maths Question 10

How many faces does a cuboid have?

Maths Question 11

Marlet	8:30	8:45	9:00	9:15
Ratchern	8:37	8:52	9:07	9:22
Hampton	8:42	8:57	9:12	9:27
Tankern	8:56	9:11	9:26	9:41
Wilner	9:05	9:20	9:35	9:50

Above is a bus timetable. Bob lives in Marlet. He gets the latest bus that will get him to work in Wilner by 9:30. What time will his bus stop at Hampton?

Maths Question 12

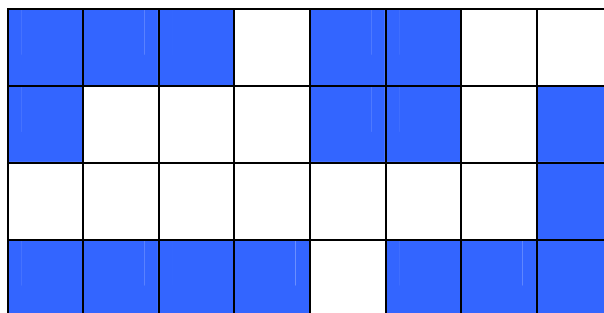
Tim earns £ X per day and works 3 days a week. He also gets £ Y per week as a bonus. How much does Tim earn in 6 weeks?

Maths Question 13

What is the volume of a cube with sides of 4cm?

Maths Question 14

This picture shows a tiled wall. What fraction of the tiles are white?



Maths Question 15

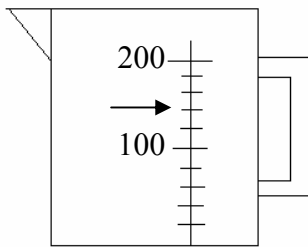
Work out: 243×58

Maths Question 16

How many grammes are there in 1.245kg?

Maths Question 17

How many millilitres is the arrow in the jug pointing to?



Maths Question 18

Evaluate: $1458 \div 100$

Maths Question 19

Sabrina has a bag of sweets. She eats $\frac{1}{2}$ of the bag, then eats another $\frac{1}{5}$ of the bag. What fraction of the bag has she eaten?

Maths Question 20

Mandy is moving house, so she is packing her books into boxes. She has 93 books and each box can hold 12 books. How many boxes will Mandy need to pack up ALL her books?

Maths Question 21

What is the next number in the sequence?

1, 2, 4, 8, 16, _____

Maths Question 22


What is 20 minutes as a fraction of 1 hour?

Maths Question 23

What is the perimeter of a square with sides of 3.8cm?

Maths Question 24

A recipe for fairy cakes is shown. It makes 12 cakes.



Fairy Cakes

100g flour
100g butter
100g caster sugar
2 medium eggs

Hassan wants to make 18 fairy cakes for his party. How much flour should he use?

Maths Question 25

The ratio of strawberries to bananas in a smoothie is 3 : 7. If 150g of strawberries are used, how much banana is used?

Maths Question 26

The temperature on Monday night was -7°C . By Tuesday lunchtime, it had risen to 4°C . How much had the temperature risen by?

Maths Question 27

Find x if $3x + 6 = 18$

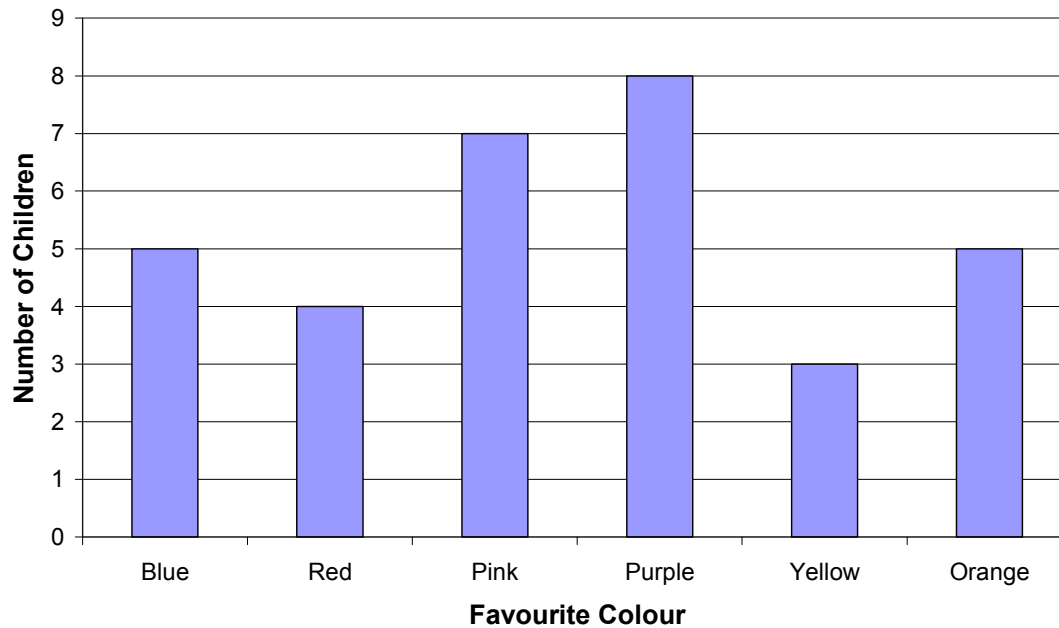
Maths Question 28

A Spanglex watch costs £60 at full price. The shop has a sale and reduces the price by 20%. How much does it cost in the sale?

Maths Question 29

Polly planted 5 flowers in each of her flower pots. She has 7 pots and there are now 3 plants left over. How many plants did she start with?

Maths Question 30



Albert asked the children in his class what their favourite colour is. This is the graph of his results. Which of the following statements is true?

- A. The most popular colour is pink
- B. 13 children prefer either pink or purple
- C. Albert's favourite colour is orange
- D. The least favourite colour is red
- E. 32 children took part in Albert's survey

End of Test