



# 11+ For You

## Maths Paper 5

Please put your name at the bottom of the page.

This maths paper contains 50 questions.

You have 50 minutes to complete the test.

Write your answer clearly on the paper.

Make sure any mistakes are erased.

More maths, English, verbal reasoning & non verbal reasoning papers from:

[www.11plustestpapers.co.uk](http://www.11plustestpapers.co.uk)

## 11+ For You - Maths Paper 5

### Basic Arithmetic

1. What is  $99 - 87 \times 3$ ?
2. Write 12,987 as a word.
3. If a car travels at an average of 45 miles an hour how far will it have traveled in 3 hours?
4. What measurement would you use to measure how much water was in a bath?  
  
millimetres      centimetres      millilitres      litres      kilograms
5. If I am going to be thirteen in four years how old was I two years ago?

### Time

6. My watch is 12 minutes fast. What time will it show when the time is actually 10.52am?
7. If it takes me 33 minutes to walk to school and it takes my friend 39 minutes, how long does it take us in total in hours and minutes?
8. The train for Euston leaves at 9.53. If I want to be there 15 minutes before the train departs what time must I leave home if the from home to the station takes 17 minutes.
9. The plane flight to Japan took 12 hours and 35 minutes. If I slept for 8 hours and 17 minutes how much time was I actually awake?
10. In summer English time is two hours behind Greece. However, in Winter we set the clocks back an hour. What time will it be in England in December if it is 11.43pm in Greece?

More maths, English, verbal reasoning & non verbal reasoning papers from:

## 11+ For You - Maths Paper 5

### Fractions

11. What is  $\frac{4}{7} \times \frac{2}{8}$
12. If  $\frac{13}{16}$  of people in a cinema buy popcorn and the remainder don't, how many people bought popcorn if 48 people didn't buy any?
13. Next year I will be  $\frac{2}{5}$  of the age that my father is now. If my father is 36 next year how old will I be?
14. After walking 354 metres I was  $\frac{1}{3}$  of the way home. How much further did I have to walk?
15. Write  $\frac{26}{52}$  in its lowest form.

### Percentages

16. If 90% of people in a survey don't like onions in their gravy, how many people don't like it if 14 people said they did?
17. If I scored 40 in my test and the next person up scored 5% more, how much did they score?
18. After talking to the builder I decided to increase the length of the garden by 20%. If it was 40 foot long before increasing it how long would it be?
19. If my school attendance was 90% present, how many days did I have off if there were 270 possible days to attend school?
20. I am now 5% taller than I was last year. If last year I was 140cm how tall am I now?

More maths, English, verbal reasoning & non verbal reasoning papers from:

## 11+ For You - Maths Paper 5

### Number Sequences

21. 17 23 28 32 35 37 (?)
22. 84 77 70 63 56 (?)
23. 121 128 125 132 129 136 (?)
24. 2 2 4 6 10 16 (?)
25. 3 9 12 36 39 117 (?)

### Probability

(Give answers in their lowest forms)

26. If the weather forecast says there is a 45% chance of rain tomorrow, what is the chance that it will not rain?
27. If I roll a dice what is the probability that it will land on an even number?
28. If there are 28 people in my class and 7 of them like maths, what is the probability that if you picked someone at random they would like maths?
29. If a spinner has thirty sections, ten are red, ten are blue, five are yellow and five are green, what is the probability that I would get a green or yellow on the first spin?
30. If I go to piano lessons three times a week what would the probability of me going to a piano lesson on a day that you picked at random?

More maths, English, verbal reasoning & non verbal reasoning papers from:

## 11+ For You - Maths Paper 5

### Equations

31.  $47 - 17 - 12 = 4 \times 4 \times 2 - (?)$

32.  $2(66 \div 11) + 7 = 32 \div 8 + 6 + (?)$

33.  $72 \div 12 - 3 = 13 \times 2 - 15 - (?)$

34.  $3(4 \times 2) \div 6 = 12 \times 2 - 14 - ?$

35.  $19 + 7 + (6 \times 2) = 51 \times 0 + (19 \times 2) + (?)$

### Numbers in the middle

Each number in the middle has been made using the numbers on each side in a set way. There has been a maximum of two steps to work out the number.

36. 4 (9) 5      13 (21) 8      17 (?) 2

37. 8 (64) 8      7 (42) 6      9 (?) 12

38. 13 (30) 4      12 (26) 2      18 (?) 3

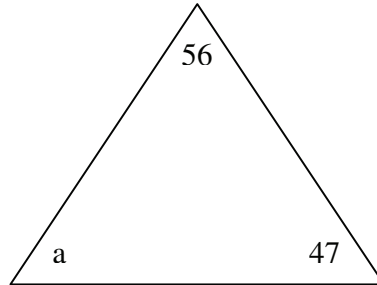
39. 7 (14) 4      4 (12) 6      6 (?) 10

40. 34 (22) 12      65 (32) 33      45 (?) 11

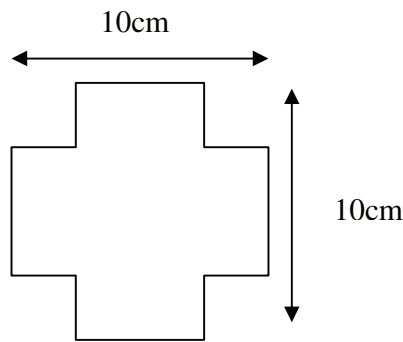
More maths, English, verbal reasoning & non verbal reasoning papers from:

11+ For You - Maths Paper 5

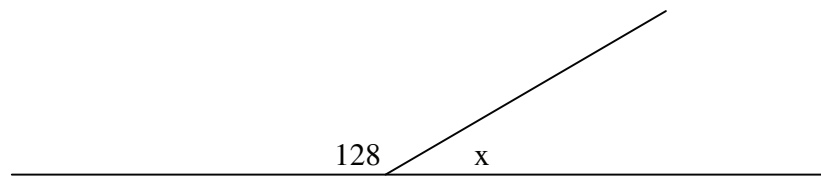
Shapes and Angles



41. What is the value of 'a'? (not drawn to scale)
42. How many line of symmetry does the shape below have?



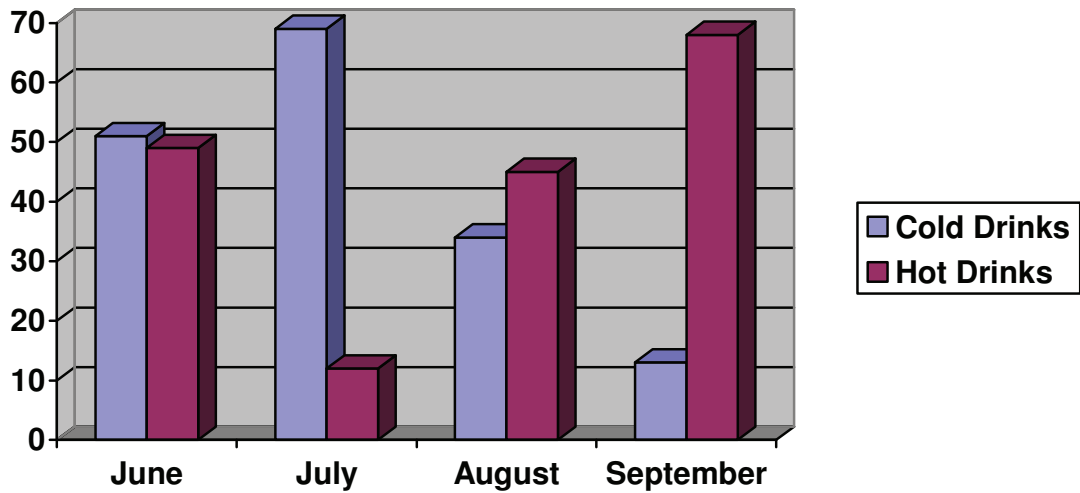
43. What do the angles inside a square add up to?
44. What is value of 'x' on the diagram below? (not drawn to scale)



45. If I am facing north and I turn anti-clockwise 360 degrees, what direction will I be facing?

More maths, English, verbal reasoning & non verbal reasoning papers from:

Graphs



The bar-graph above shows the number of drinks a shop sells during each month. Use the information to answer the questions below.

46. In which month was the least hot drinks sold?
47. In which month were the least cold drinks sold?
48. Which month sold more drinks?
49. Estimate how many drinks were sold in September.
50. If each hot drink cost £1.50 estimate how much money was spent on hot drinks in June.

More maths, English, verbal reasoning & non verbal reasoning papers from: