

## Bond Fifth level papers in Maths 11+–12+ years – Sample test

11.3	11.12	11.34	11.01
11.04	11.1	11.42	11.4

Which two numbers:

1–2 add to give 22.7?      \_\_\_\_\_

3–4 subtract to give 0.33?      \_\_\_\_\_

5–6 add to give 22.22?      \_\_\_\_\_

7–8 subtract to give 0.38?      \_\_\_\_\_

A garden centre is having a winter sale before the new spring products arrive. They have cut their prices by 30%.

9–18 Complete this table.

	Usual price	Sale price	Saving
<b>Fruit trees</b>	£20	_____	_____
<b>Garden benches</b>	£120	_____	_____
<b>Terracotta plant pots</b>	_____	£17.50	_____
<b>Bird feeders</b>	_____	_____	£4.50
<b>Herb plants</b>	_____	£1.40	_____

Simplify the following expressions.

19  $4b + 2a + b =$  \_\_\_\_\_

20  $10a + 6 + 3 =$  \_\_\_\_\_

21  $9c - 4c + 8 =$  \_\_\_\_\_

22  $b + 2b + 5 =$  \_\_\_\_\_

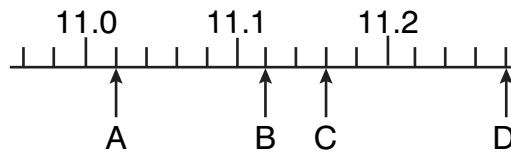
Look at the number line. What numbers do the arrows point to?

23 Arrow A points to \_\_\_\_\_

24 Arrow B points to \_\_\_\_\_

25 Arrow C points to \_\_\_\_\_

26 Arrow D points to \_\_\_\_\_



Find the median of:

27 32 36 31 29 42

\_\_\_\_\_

28 11 13 9 17 15

\_\_\_\_\_

B 15

2

B 6

3

B 1

29–31 Circle the three prime numbers.

2 9 13 16 21 27 31 34

Write in figures the numbers shown in bold in the sentences below.

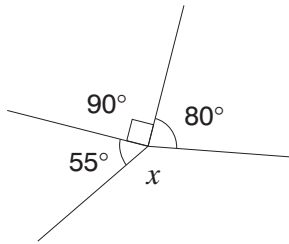
32 Over **20 million** people tried to register to get tickets to see the reunion tour of a rock band from the 1970s. \_\_\_\_\_

33 The sequel to the popular children's book sold over **three point four million** copies in the first few months. \_\_\_\_\_

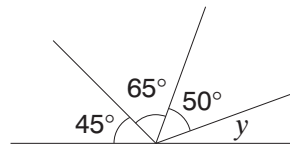
34 The pop star bought a house in London for just over **two and a half million** pounds. \_\_\_\_\_

3

Calculate angle  $x$  and angle  $y$ .



35 Angle  $x =$  \_\_\_\_\_

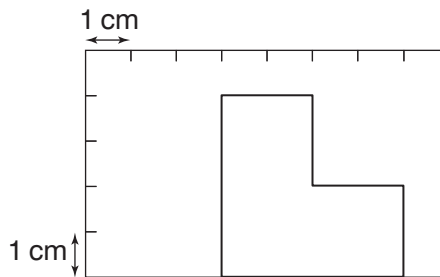


36 Angle  $y =$  \_\_\_\_\_

B 17

2

Here is a flag made by a class.



37 What is the area of the whole flag? \_\_\_\_\_

38 What is the area of the 'L'? \_\_\_\_\_

B 20

39 What is the area of the background? \_\_\_\_\_

40 The perimeter of the flag is \_\_\_\_\_

41 The perimeter of the 'L' is \_\_\_\_\_

5

Write these times as you would see them on a 24-hour clock.

B 27

42 6:12 a.m. \_\_\_\_\_

43 11:30 p.m. \_\_\_\_\_

44 12:10 a.m. \_\_\_\_\_

45 2:45 p.m. \_\_\_\_\_

4

Calculate the answers to these questions.

B 10

46  $\frac{5}{8}$  of 48 = \_\_\_\_\_

47  $\frac{4}{7}$  of 28 = \_\_\_\_\_

48  $\frac{7}{12}$  of 120 = \_\_\_\_\_

49  $\frac{3}{8}$  of 64 = \_\_\_\_\_

50  $\frac{2}{9}$  of 54 = \_\_\_\_\_

5

*Now go to the Progress Chart to record your score!*

Total  50

# Bond Fifth level papers in Maths 11+–12+ years – Answers to sample test

1–2 any order: 11.3, 11.4

3 11.34

4 11.01

5–6 any order: 11.1, 11.12

7 11.42

8 11.04

9–18

	Usual price	Sale price	Saving
Fruit trees	£20	<b>£14</b>	<b>£6</b>
Garden benches	£120	<b>£84</b>	<b>£36</b>
Terracotta plant pots	<b>£25</b>	£17.50	<b>£7.50</b>
Bird feeders	<b>£15</b>	<b>£10.50</b>	£4.50
Herb plants	<b>£2</b>	£1.40	<b>60p</b>

19  $5b + 2a$

20  $10a + 9$

21  $5c + 8$

22  $3b + 5$

23 11.02

24 11.12

25 11.16

26 11.28

27 32

28 13

29 2

30 13

31 31

32 20000000

33 3400000

34 2500000

35  $135^\circ$

36  $20^\circ$

37  $40\text{cm}^2$

38  $12\text{cm}^2$

39  $28\text{cm}^2$

40 26cm

41 16cm

42 06:12

43 23:30

44 00:10

45 14:45

46 30

47 16

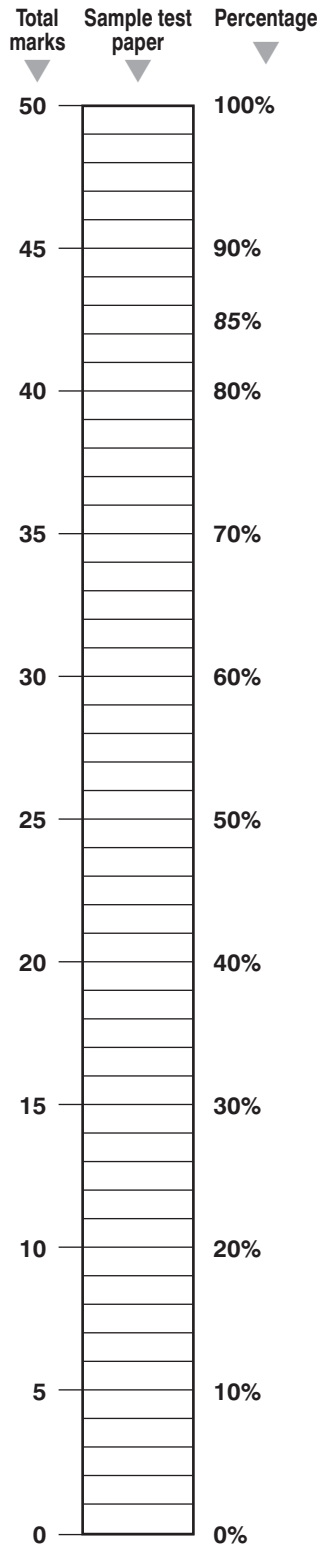
48 70

49 24

50 12

# Progress Chart

# Fifth level papers in Maths



*When you've filled in the progress chart read the Next Steps*

## Next Steps Planner ...

### Step 1 Go over your mistakes.

- Go over any wrong answers and try the questions again.
- Use *How to do ... 11+ Maths* to help with any question types you find difficult.

### Step 2 Do more practice.

#### **If you got more than 85% ...**

**Either:**

Use *Bond Assessment Papers: Fifth papers in Maths* and *Bond Assessment Papers: More fifth papers in Maths* to reinforce and expand your maths skills at this level.

**Or:**

If you feel confident, go on to the sixth level book. This provides 12<sup>+</sup>–13<sup>+</sup> level questions that will help you prepare for higher selective exams as well as help you take your maths skills further.

**Or:**

Try some mock test papers for realistic exam practice. We suggest that you use these in the last few months before the actual exam.

#### **If you got 50-85% ...**

We suggest that you do lots more practice at this level to help improve your scores. *Bond Assessment Papers: Fifth papers in Maths* and *Bond Assessment Papers: More fifth papers in Maths* include a wider variety of questions than are included in the sample paper and will help to strengthen your maths skills.

Make sure you keep going back over any wrong answers and use *How to do ... 11+ Maths* to help with any question types you find difficult.

#### **If you got less than 50% ...**

We suggest that you try the fourth level books to build up your maths skills; *Bond Assessment Papers: Fourth papers in Maths* and *Bond Assessment Papers: More fourth papers in Maths*. Keep going back over questions that puzzle you, using the strategies in *How to do ... 11+ Maths* to help you, and then come back to the fifth level books.