7 + Entrance Examination
Sample Paper
Mathematics

Total marks: 38
Time allowed: 45mins

Information for parents:

This sample paper has been created for children who are embarking on the 7+ exam. We recommend that these papers are only used 3 months prior to the exam.

The questions within the paper follow Level 3 of the National Curriculum and cover the entirety of the Year 2 Maths curriculum, therefore we strongly advise that students younger than Year 2 do not attempt these papers.

The papers are designed to be challenging, and it is not expected that students will achieve full marks. Although the 7+ exams are highly competitive, it is important to remember that schools are likely to be looking for potential rather than 100% accuracy.

Should you wish for your child to prepare for the 7+ exam before Year 2, we suggest revising individual concepts and playing active Maths games before embarking on more formal revision or sample papers.

Full name ……………………….

1. *Complete:*

a. 5 + 6 + 7 = ☐

b. 10 + 3 + 2 = ☐

c. 15 - 4 - 2 = ☐

d. 20 - 11 - 1 = ☐

4 marks

2. *Circle the **smallest** number.*

125   536   785   221

1 mark

3. *Circle the **larges**t number.*

110   654   478   559

1 mark

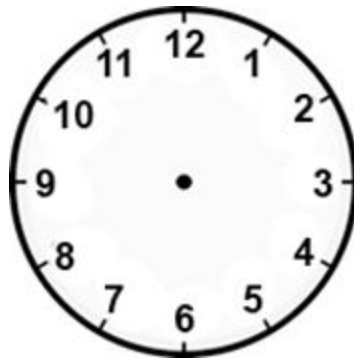4.   There are 12 socks hanging on a washing line. How many pairs of socks are there?

_____ 1 mark

5.   18 people are on the bus. Half of them get off at the next stop. How many people are on the bus now?

_____ 1 mark

6.   There are 5 ladybirds on each leaf. There
     are 4 leaves. How many ladybirds
     altogether?   _____   1 mark

7. *Ben has his dinner at half past five. Draw hands on the clock face to show this time*.

1mark

8a.   20 - ☐ = 11

b.   16 ÷ ☐ = 4

c.   3 x ☐ = 27

d.   25 + 19 = ☐

e.   71 - 42 = ☐

f.   100   ÷ 5 = ⬚

9a.   *Draw circles around the smiley faces to make groups of 3:*
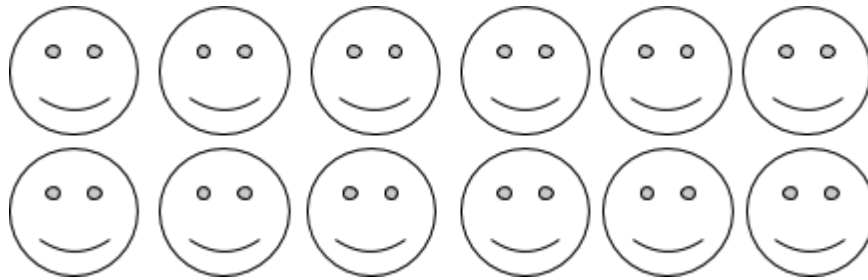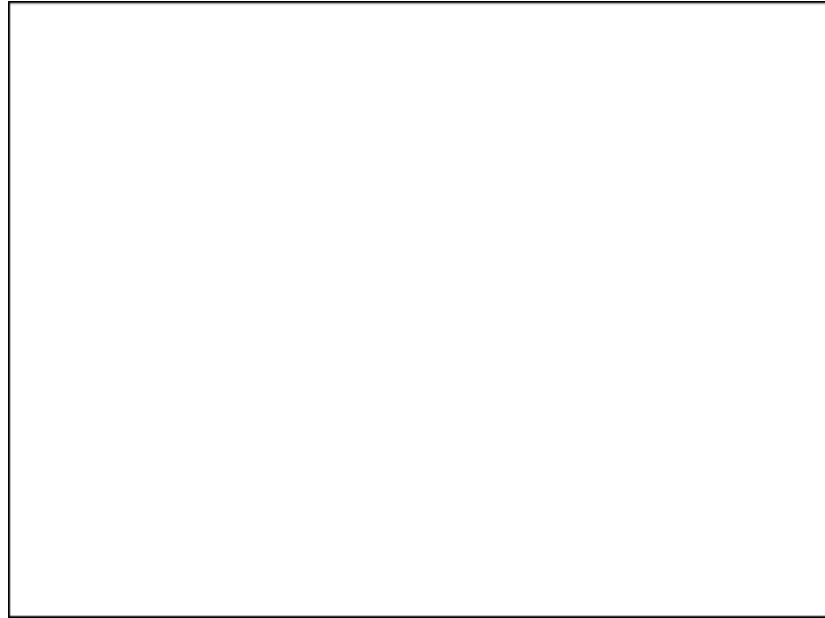
b.   12 ÷ 3 =

10a.   Add together 54, 13 and 26. Show your working.

⬚

b.   Subtract 54, 26 and 13. Show your working.

2 marks

11.   Complete the missing numbers.

a.

1 mark

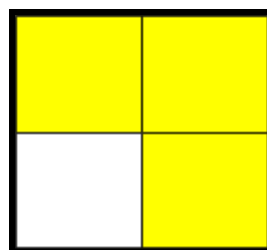b.

1 mark

12. *Draw lines to match:*
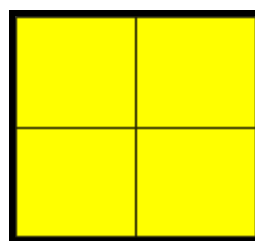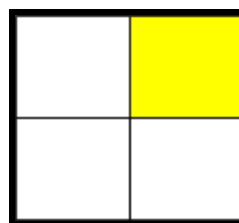
¼

1

½

¾

13. *Complete the patterns*

a. A, 1, B, 2, C, 3 ☐ ☐

b. 2, 5, 8, 11, ☐ ☐

2 marks

14. *Find **3** ways to make 60p using only 10p and 20ps. One has been done for you.*

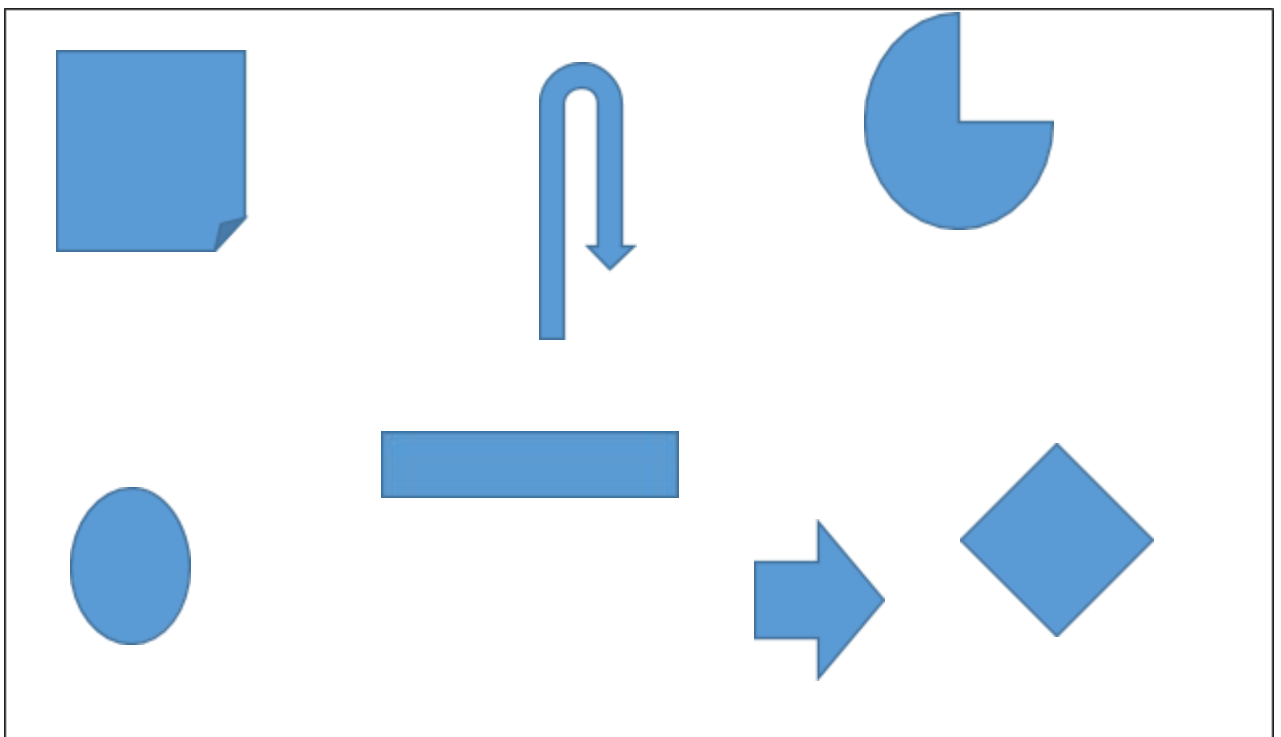| Number of 10p's:	Number of 20p's
4	1

3 marks

15. James gives the bus driver 50p. His ticket is only 23p. How much change does he get?

_____

1 mark

16. _Tick the shapes that are symmetrical._

4 marks

7 + Entrance Examination
Sample Paper
Mathematics Marking Scheme

Total Marks: 38

1a. 18

b. 15

c. 9

d. 8

2. 125

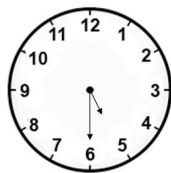**3.** 654

4. 6

5. 9

6. 20

7.

Half a mark deducted if minute hand isn't longer than hour hand.

8a. 9

b. 4

c. 9

d. 44

e. 29

f. 20

9a.
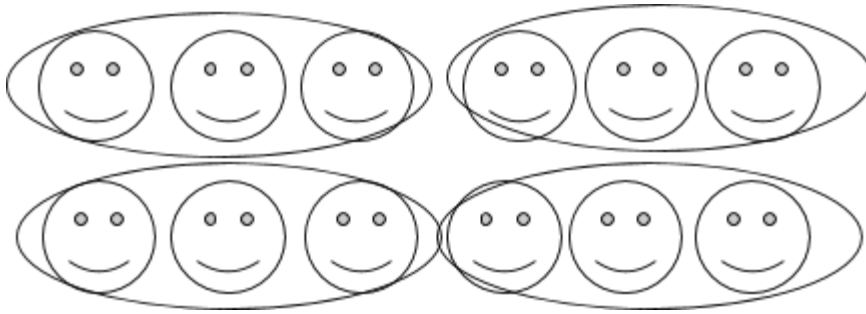
b. 4

10a. 93 (one mark also awarded for correct working)

b. 15 (one mark also awarded for correct working)

11a. 5

b. 12

12.

½

¾

1

¼
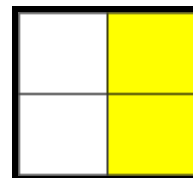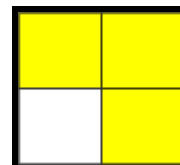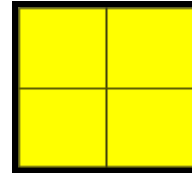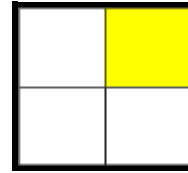
13a. A, 1, B, 2, C, 3 | **D** | | **4** |

b. 2, 5, 8, 11, | **14** | | **17** |

14. **Three marks awarded for any variation of coins totalling 60p:**

Number of 10p's:	Number of 20p's
4	1
6	0
0	3
2	2

15. **27p**
    Half a mark deducted if pence sign isn't included.

16.   The following shapes are symmetrical: