



STEPHEN PERSE FOUNDATION  
JUNIOR SCHOOL  
YEAR 6 MATHS ENTRANCE



Name: \_\_\_\_\_

1. Write in **words**:

(a) 222 \_\_\_\_\_

(b) 3847 \_\_\_\_\_

(c) 80061 \_\_\_\_\_

3 marks

2. Use only the digits **3 6 7 4 1**. Change the order to make:

(a) the largest number \_\_\_\_\_ (b) the smallest number \_\_\_\_\_

2 marks

3. Do these in your head. Write the answer only.

(a)  $2 + 3 + 7 + 9 =$   (b)  $6 \times 7 =$

(c)  $8 \times 9 =$   (d)  $63 \div 7 =$

(e)  $9 \times$    $= 54$  (f)   $\div 7 = 7$

(g)  $27 + 36 =$   (h)  $96 - 39 =$

(i) Write the number which is 18 more than 35 \_\_\_\_\_

(j) Write the number which makes 82 when added to 47 \_\_\_\_\_

10 marks

4. A box of 100 masks costs £12.00, so:



(a) 1 mask costs \_\_\_\_\_

(b) 1000 masks cost \_\_\_\_\_

2 marks



Total

Show **all** your working:

5. Your mum tells you she has £400 to spend on your disco party and your birthday present. If you spend £239 on your party, how much is left for your present?



£

2 marks

6. Your favourite aunt is coming to your party; she travels 311km on Monday and 293km on Tuesday to get there. What is the total distance she has travelled?

km

2 marks

7. You have 6 uncles who each give you £35 for your birthday. How much money do you get altogether?

£

2 marks

8. You need to sort 102 little gifts into party bags; each bag needs 6 gifts. How many bags do you need?

bags

2 marks

9. Show **all** your working:

(a) How many chocolate bars can be bought for £7.00 if each costs 30p?

\_\_\_\_\_ bars  
2 marks

(b) How much change will there be?

\_\_\_\_\_ pence  
2 marks

10. Calculate  $\frac{3}{10}$  of £2.00

\_\_\_\_\_ pence  
2 marks

11. Calculate  $\frac{4}{5}$  of £2.00

\_\_\_\_\_ pence  
2 marks



Total

Show **all** your working:

12.  $14.09 + 29.97$

\_\_\_\_\_   
 2 marks

13.  $15.06 - 12.87$

\_\_\_\_\_   
 2 marks

14. A fence has 9 panels, each 2.61m long. How long is the fence?



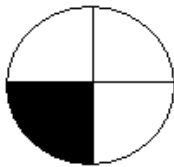
\_\_\_\_\_   
 2 marks

15. 8 lip balms cost £10.00. What is the cost of 1 lip balm?



\_\_\_\_\_   
 2 marks

16. What percentage of the circle is:



black \_\_\_\_\_ %

white \_\_\_\_\_ %

\_\_\_\_\_   
 1 mark

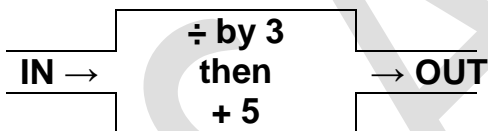
17. Name a shape with 4 equal length sides and 4 right angles

\_\_\_\_\_

18. Name a shape with five sides

\_\_\_\_\_   
 2 marks

19. Write the missing numbers in the table:



IN	OUT
15	
	12
30	

\_\_\_\_\_   
 3 marks

20. Write the rule which changes the IN numbers to the OUT numbers

IN	OUT
1	8
4	14
6	18



\_\_\_\_\_   
 2 marks

21. Write these amounts in decimal form:

(a) 2m and 45cm = \_\_\_\_\_ m

(b) 385 ml = \_\_\_\_\_ litres

\_\_\_\_\_   
 2 marks



Total