



## 7 + Entrance Examination

Paper 9

Numeracy / Maths

**Total marks:** 40

**Time allowed:** 45 minutes

Full name .....

**1. Write these numbers in order of size going down from largest to smallest.**

**97                  109                  3                  962                  14**

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**2. Write the number two hundred and nineteen in digits.**

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**3. Which of these numbers are EVEN? Circle the right answers.**

**3                  84                  6                  13                  15**

**4. What is half of 18?**

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**5. Complete these sums:**

a)  $4 + \underline{\quad\quad} = 17$

b)  $18 - 12 = \underline{\quad\quad}$

c)  $3 \times \underline{\quad\quad} = 12$

d)  $80 - \underline{\quad\quad} = 70$

**6. What is double 3?**

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**7.**

$45 \div 5 =$  \_\_\_\_\_

**8. Ahmed has twenty toy lorries and Sandy has three toy cars. How many vehicles do they have altogether?**

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**9. What unit would you use to weigh or measure each item?**

**Choose from: kg (kilograms), g (grams), l (litres) or ml (millilitres)**

**a) a fork**

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**b) a swimming pool**

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**c) a bottle of milk**

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**d) a dog**

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**10. Martha has ten sweets. She gives two to her friend Mike. How many does she have left?**

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**11. Which of these shapes are symmetrical? Circle two.**



**a**



**b**



**c**



**d**

**12. Write the next numbers in these sequences (2 marks each):**

a) 1, 3, 5, \_\_\_\_\_ , \_\_\_\_\_

b) 35, 30, 25, \_\_\_\_\_ , \_\_\_\_\_

c) 42, 44, 46, \_\_\_\_\_ , \_\_\_\_\_

d) 100, 97, 94, \_\_\_\_\_ , \_\_\_\_\_

**13. Angela goes to the shop.**

a. She buys a drink for 75p and a packet of crisps for 35p. How much does she spend altogether?

\_\_\_\_\_

b. Angela pays with a £2 coin. How much change does she receive?

\_\_\_\_\_

c. Angela wants to get the bus home. It costs 80p. Has she got enough money left to pay for her ticket?

\_\_\_\_\_

**14. Max cut a piece of string into three pieces. They measured 2cm, 13cm and 5cm each.**

How long was the piece of string before Max cut it?

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**15. I have six shapes. Three of them have four sides but are not the same shape. Name three shapes they could be.**

**16. Mary wants to tile a space on her bathroom wall. Her tiles are  $2\text{cm}^2$ . The space on her bathroom wall is  $13\text{cm}^2$ . Will she be able to fill the space with these tiles without cutting them? Explain your answer.**

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**17. My numbers machine takes in numbers and doubles them, then adds 3.**

**What number will come out if I put in**

a) 12

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b) 50

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c) 35

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**What number did I put in if the following numbers come out**

d) 13

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e) 33

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## 7 + Entrance Examination - Maths Sample paper - Numeracy Mark Scheme

1. 84 and 6
2. 962, 109, 97, 14, 3
3. 219
4. a) 13      b) 6    c) 4    d) 10
5. 9
6. 6
7. 9
8. a) g      b) l    c) ml   d) kg
9. 23
10. 8
11. a) £1.10 b) 90p c) yes
12. a and c
13. a) 7, 9    b) 20, 15    c) 48, 50    d) 91, 88
14. 20cm
15. any three of square, rectangle, parallelogram, kite, rhombus, quadrilateral, trapezium
16. No, because 13 does not divide by 2.
17. a) 27      b) 103      c) 73      d) 5      e) 15

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