Owl Tutors

7 Plus examination

Paper 9

Maths

Total marks: [40]

Time allowed

You have 45 minutes.

There are 40 marks available. Try to answer all the questions. Remember to show your working out.

Each question is worth one mark unless otherwise stated.

No calculators are allowed.

Full name _____

Section One: Calculations (10 marks)

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

3   84   6   13   15

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

97   109   3   962   14

3. Write the number two hundred and nineteen in digits.

4. Complete these sums:

a) 4 + _____ = 17

b) 18 – 12 = _____

c) 3 x _____ = 12

d) 80 - _____ = 70

5. What is half of 18?

6. What is double 3?

7. 45 ÷ 5 =

Section Two: Word Problems (20 marks)

8. 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
b) a swimming pool
c) a bottle of milk
d) a dog

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

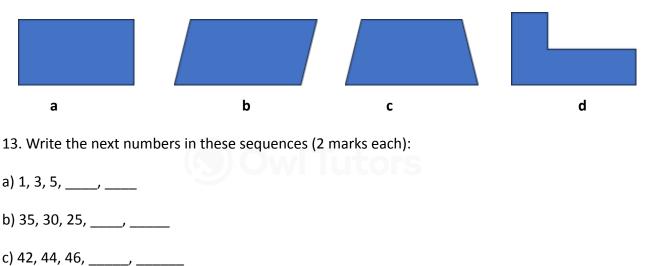10. Martha has ten sweets. She gives two to her friend Mike. How many does she have left?

11. 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?

12. Which of these shapes are symmetrical? Choose two (2 marks).

a   **b**   **c**   **d**

13. 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, _____, _____

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?

Section 3: Reasoning (10 marks)

15. I have six shapes. Three of them have four sides but are not the same shape. Name three shapes they could be. (3 marks)

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

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

What number will come out if I put in

a) 12
b) 50
c) 35

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

d) 13
e) 33

Total marks: 40

ANSWERS

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