

1. Write the following numbers in ascending order.

$$\frac{2}{5}, \frac{3}{4}, \frac{1}{9}, \frac{1}{3}$$

$$\frac{1}{9}, \frac{1}{3}, \frac{2}{5}, \frac{3}{4}$$

(2 marks)

2. Work out 62×147

$$9114$$

(2 marks)

3. Work out $\text{£}7.62 \div 3$

$$\text{£}2.54$$

(1 mark)

4. Work out 3^{-2}

$$\frac{1}{9}$$

(1 mark)

5. Round 17.35126 to 1 significant figure.

$$20$$

(1 mark)

6. Write down the fifth prime number.

$$11$$

(1 mark)

7. Work out $\left(\frac{7}{9}\right)^2$

$$\frac{49}{81}$$

(2 marks)

8. A number has been rounded to 4.5 to the nearest 1 decimal place.

Write down the error interval

$$4.45 \leq x < 4.55$$

(2 marks)

9. Work out $16^{\frac{1}{2}}$

$$4$$

(1 mark)

10. Work out x^0

$$1$$

(1 mark)

11. Share £72 between Chris and Luca in the ratio 3:5.

How much less did Chris get than Luca?

£18

.....
(2 marks)

12. Simplify $\sqrt{60}$

$2\sqrt{15}$

.....
(2 marks)

13. Work out $1\frac{2}{5} - \frac{1}{2}$

9

10

.....
(2 marks)

14. Work out $1\frac{3}{4} \div \frac{2}{5}$

4

$\frac{3}{8}$

.....
(2 marks)

15. Express 210 as a product of its prime factors.

$2 \times 3 \times 5 \times 7$

.....
(2 marks)

16. Workout the HCF and LCM of 15 and 27.

$HCF = 3$

$LCM = 135$

.....
(2 marks)

17. Write 1.7×10^{-3} as an ordinary number.

0.0017

.....
(2 marks)

18. Convert 0.00000048 into standard form.

4.8×10^{-7}

.....
(2 marks)

19. Work out $(3.4 \times 10^4) - (1.2 \times 10^3)$

3.28×10^4

.....
(3 marks)

Score =