

1. Write the following numbers in ascending order.

$$\frac{3}{4}, \quad \frac{3}{10}, \quad \frac{2}{3}, \quad \frac{4}{7}$$

$$\frac{3}{10}, \frac{4}{7}, \frac{2}{3}, \frac{3}{4}$$

(2 marks)

2. Work out 164×53

$$8692$$

(2 marks)

3. Work out $\text{£}8.34 \div 6$

$$\text{£}1.39$$

(1 mark)

4. Work out 10^{-2}

$$\frac{1}{100}$$

(1 mark)

5. Round 7.48195 to the nearest integer.

$$7$$

(1 mark)

6. Write down the eight square number.

$$64$$

(1 mark)

7. Work out $\left(\frac{1}{9}\right)^2$

$$\frac{1}{81}$$

(2 marks)

8. A length has been rounded to 7 m correct to the nearest meter.

Write down the error interval

$$6.5 \leq x < 7.5$$

(2 marks)

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

$$3$$

(1 mark)

10. Work out 10^0

$$1$$

(1 mark)

11. Share £45 between Carl and Kelly in the ratio 2:3.

How much more did Kelly get than Carl?

£15

.....
(2 marks)

12. Simplify $\sqrt{40}$

$2\sqrt{10}$

.....
(2 marks)

13. Work out $1\frac{3}{5} + \frac{1}{2}$

$2\frac{1}{10}$

.....
(2 marks)

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

$3\frac{3}{4}$

.....
(2 marks)

15. Express 100 as a product of its prime factors.

$2^2 \times 5^2$

.....
(2 marks)

16. Workout the HCF and LCM of 12 and 18.

$HCF = 6$

$LCM = 36$

.....
(2 marks)

17. Write 1.817×10^8 as an ordinary number.

181,700,000

.....
(2 marks)

18. Convert 0.000045 into standard form.

4.5×10^{-5}

.....
(2 marks)

19. Work out $(1.3 \times 10^7) + (1.2 \times 10^6)$

1.42×10^7

.....
(3 marks)

Score =