

1. Write the following numbers in ascending order.

$$\frac{4}{7}, \quad \frac{8}{20}, \quad \frac{3}{5}, \quad \frac{3}{8}$$

$$\frac{3}{8}, \frac{8}{20}, \frac{3}{5}, \frac{4}{7}$$

(2 marks)

2. Work out  $£2.09 \times 26$

$$£54.34$$

(2 marks)

3. Work out  $£12.88 \div 7$

$$£1.84$$

(1 mark)

4. Work out  $5^{-3}$

$$\frac{1}{125}$$

(1 mark)

5. Estimate  $6.542 \times 6.2781$

$$42$$

(1 mark)

6. Write down the square of 9.

$$81$$

(1 mark)

7. Work out  $\left(\frac{5}{6}\right)^3$

$$\frac{125}{216}$$

(2 marks)

8. A number has been rounded to 300 to the nearest 1 significant figure.

Write down the error interval

$$250 \leq x < 350$$

(2 marks)

9. Work out  $36^{\frac{3}{2}}$

$$216$$

(1 mark)

10. Work out  $12^0$

$$1$$

(1 mark)

11. Some money has been shared between Rob, Poppy and Li in the ratio 3:5:2.  
Poppy received £18 more than Rob.

How much did Li get?

£18

.....  
(2 marks)

12. Simplify  $\sqrt{98}$

$7\sqrt{2}$

.....  
(2 marks)

13. Work out  $2\frac{1}{2} + 1\frac{6}{7}$

$4\frac{5}{14}$

.....  
(2 marks)

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

$2\frac{4}{5}$

.....  
(2 marks)

15. Express 675 as a product of its prime factors.

$3^3 \times 5^2$

.....  
(2 marks)

16. Workout the HCF and LCM of 24 and 36.

HCF = 12

LCM = 72

.....  
(2 marks)

17. Write  $2.8 \times 10^{11}$  as an ordinary number.

280,000,000,000

.....  
(2 marks)

18. Convert  $0.67 \times 10^{-3}$  into standard form.

$6.7 \times 10^{-4}$

.....  
(2 marks)

19. Work out  $(3.6 \times 10^{12}) \times (2 \times 10^{-5})$

$7.2 \times 10^7$

.....  
(3 marks)

Score =