1. Write the following numbers in ascending order.

$$\frac{4}{7}, \quad \frac{6}{9}, \quad \frac{5}{8}, \quad \frac{3}{11},$$

$$\frac{3}{11}, \frac{5}{8}, \frac{4}{7}, \frac{6}{9}$$

(2 marks)

2. Work out £1.16 × 35

£40.60

(2 marks)

3. Work out £11.16 ÷ 3

£3.72

(1 mark)

4. Work out 2^{-3}

$\frac{1}{8}$

(1 mark)

5. Estimate 7.82 × 3.412

24

(1 mark)

6. Write down the tenth prime number.

29

(1 mark)

7. Work out $\left(\frac{1}{2}\right)^5$

$\frac{1}{32}$

(2 marks)

8. A number has been rounded to 80 to the nearest 1 significant figure.

Write down the error interval

$75 \leq x < 85$

(2 marks)

9. Work out $27^{\frac{2}{3}}$

9

(1 mark)

10. Work out m^0

1

(1 mark)

11. Some money has been shared between Tom, Eva and Kim in the ratio 2:5:1.
Eva received £12 more than Kim.
How much did Tom get?

£6
....
(2 marks)

12. Simplify $\sqrt{72}$

$6\sqrt{2}$
....
(2 marks)

13. Work out $1\frac{1}{5} - \frac{5}{6}$

$\frac{11}{30}$
....
(2 marks)

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

$\frac{15}{16}$
....
(2 marks)

15. Express 525 as a product of its prime factors.

$3 \times 5^2 \times 7$
....
(2 marks)

16. Workout the HCF and LCM of 40 and 24.

$\text{H}CF = 8$
$LCM = 120$
....
(2 marks)

17. Write 2.9×10^{-6} as an ordinary number.

0.0000029
....
(2 marks)

18. Convert 0.9×10^5 into standard form.

9×10^4
....
(2 marks)

19. Work out $(1.2 \times 10^6) \div (4 \times 10^8)$

3×10^{-3}
....
(3 marks)

Score =