1. Write the following numbers in ascending order.

$$\frac{11}{20}, \quad \frac{5}{15}, \quad \frac{2}{3}, \quad \frac{7}{10},$$

$$\frac{5}{15}, \frac{11}{20}, \frac{2}{3}, \frac{7}{10}$$

....

(2 marks)

2. Work out £1.54 × 18

£27.72

....

(2 marks)

3. Work out £14.70 ÷ 6

£2.45

....

(1 mark)

4. Work out 11^{-2}

$\frac{1}{121}$

....

(1 mark)

5. Round 0.004712 to 1 significant figure.

0.005

....

(1 mark)

6. Write down the sixth cube number.

216

....

(1 mark)

7. Work out $\left(\frac{2}{5}\right)^3$

$\frac{8}{125}$

....

(2 marks)

8. A number has been rounded to 1.25 to the nearest 2 decimal places.

Write down the error interval

$1.245 \le x < 1.255$

....

(2 marks)

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

27

....

(1 mark)

10. Work out k^0

1

....

(1 mark)

11. Some money has been shared between Ben and Jade in the ratio 5:2.
Jade received £27 less than Ben.
How much did Ben get?

£18
....
(2 marks)

12. Simplify $\sqrt{32}$

$4\sqrt{2}$
....
(2 marks)

13. Work out $1\frac{2}{3} + 1\frac{3}{4}$

$3\frac{5}{12}$
....
(2 marks)

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

$1\frac{3}{5}$
....
(2 marks)

15. Express 126 as a product of its prime factors.

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

16. Workout the HCF and LCM of 12 and 50.

$HCF = 2$
$LCM = 300$
....
(2 marks)

17. Write 5.015×10^6 as an ordinary number.

5,015,000
....
(2 marks)

18. Convert 64×10^{-4} into standard form.

6.4×10^{-5}
....
(2 marks)

19. Work out $(1.5 \times 10^5) \times (1.1 \times 10^3)$

1.65×10^8
....
(3 marks)

Score =