

1. Write the following numbers in ascending order.

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

.....
(2 marks)

2. Work

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.....
(2 marks)

3. Work out £11.1

.....
(1 mark)

4. Work out 2^{-3}

.....
(1 mark)

5. Estimate 7.82×3.412

.....
(1 mark)

6. Write down the tenth prime number.

.....
(1 mark)

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

.....
(2 marks)

8. A number has been rounded to 80 to the nearest 1 s.d.

Write down the error interval

.....
(2 marks)

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

10. Work out m^0

.....
(1 mark)

11. Some money has been shared between Tom, Eva and Kim in the ratio 2:5:1. Eva had £12 more than Kim.

How much did Tom get?

.....
(2 marks)

12. Simplify $2x^2 + 3x - 5x^2 + 7x - 8$

.....
(2 marks)

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

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(2 marks)

14. Work out $1 \frac{1}{4} \div \frac{3}{8}$

.....
(2 marks)

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

.....
(2 marks)

16. Work out the HCF and LCM of 40 and 60

.....
(2 marks)

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

.....
(2 marks)

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

.....
(2 marks)

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

.....
(2 marks)

Score =