

Significant figures



How many significant figures does each have?

1. 654 cm

5. 0.4020 m²

2. 4.8 m

6. 0.0000470 mm

3. 6.04 s

7. 56,000 km

4. 0.012 mL

8. 56,000.0 km

Perform each calculation with the correct amount of significant figures. Use scientific notation where appropriate. Include units where appropriate!

9. 3.6 m x 4.8 m

10. 5 basketballs x 1.4 kg/ball

11. $(6.02 \times 10^{23})(1.3 \times 10^{-3})$

12. 4800 g x 654 g

13. $\frac{(5.743 \times 10^{11})}{(3.7 \times 10^5)}$

14. 7 kittens x 1.8 kg/kitten