

Key**Practice - Significant Figures**

How many significant figures are in...

1. 17.315 5

2. 420.1 4

3. 0.00016 2

4. 0.020202 5

5. 8.7×10^4 2

6. 8.07×10^{-3} 3

Round to 3 significant figures

7. 137928 138,000

8. 33.73 33.7

9. 33.85 33.8

10. 0.03353 0.0335

11. 33.78 33.8

12. 33.747 33.7

13. 0.30333 0.303

14. 32.55 32.6

15. 3.996 4.00

Give answers with correct number of significant figures

16.
$$\begin{array}{r} 201.2 \\ +31.37 \\ \hline 232.57 \\ \downarrow \\ \boxed{232.6} \end{array}$$

17.
$$\begin{array}{r} 191 \\ -12.32 \\ \hline 178.68 \\ \downarrow \\ \boxed{179} \end{array}$$

18.
$$\begin{array}{r} 143.2 \\ 1.23 \\ +135.31 \\ \hline 279.74 \\ \downarrow \\ \boxed{279.7} \end{array}$$

19. $22.6 \times 3.7 = 83.62$
$$\downarrow$$

 $\boxed{84}$

20. $19.31 \times 0.107 = 2.06617$
$$\downarrow$$

 $\boxed{2.07}$

21. $\frac{0.000312 \times 6973}{20.2} = 0.1077017822$
$$\downarrow$$

 $\boxed{0.108}$

22. $\frac{375.212}{0.0009} = 416,902.2222$
$$\downarrow$$

 $\boxed{400,000}$

23. $\frac{14235 \times 427.6}{18793} = 323.8911297$
$$\downarrow$$

 $\boxed{323.9}$

24. $\frac{101 \times 0.11}{0.0101 \times 12.0} = 91.666666$
$$\downarrow$$

 $\boxed{92}$