

Name \_\_\_\_\_

Block \_\_\_\_\_

## Significant Figures Worksheet

How many significant figures are in the following measurements?

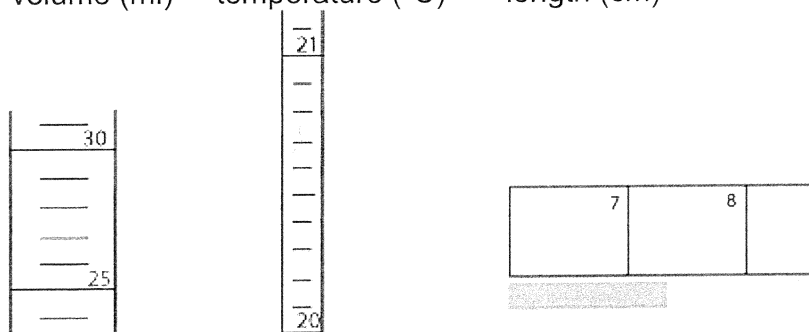
- |           |         |
|-----------|---------|
| 1) 43.6 m | 30.456  |
| 2) 101    | 0.056   |
| 3) 2.300  | 0.00200 |

Round the following numbers to 3 significant figures

- |             |        |
|-------------|--------|
| 4) 2359     | 1.2305 |
| 5) 0.050091 | 893256 |

Report the measurement with the correct number of significant figures

- 6) volume (ml)      temperature ( $^{\circ}\text{C}$ )      length (cm)



Calculate and give the answer with the correct number of significant figures

- 1)  $3.256 / 2.7$                       2)  $14.88 * 3.77$                       3)  $12.699 * 5$

- 4)  $1.333 + 2.62$                       5)  $14.365 + 259.1$                       6)  $2.3 - 1.1 + 3.563$

7)  $\frac{15.8 - 12.3}{5.698}$

8)  $\frac{14.8855}{3.329 - 23.6}$

9)  $32.021 + 2.034$

10)  $20.99002 - 2.43$

11)  $20152 + 890.67$

12)  $72.99 - 32.3$

13)  $0.0034 + 1.5340$

14)  $20120 - 4324$

15.  $35.288 \times 43.00 \times 20.0 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

16.  $56.23 \times 0.00345 \times 28.34 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

17.  $76.043 \times 2.0098 \times 45.92 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

18.  $200 \times 48.3 \times 20.03 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

19.  $534.0 \times 3400 \times 1.89 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

20.  $1.0030 \times 28.938 \times 10.002 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

21.  $832 / 2.9 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

22.  $64532 / 240 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

23.  $32.321 / 2.003 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

24.  $55.321 / 10 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

25.  $55.321 / 10.0 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

26.  $40034 / 345 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

27.  $23.76 + 2.674 + 7.2 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

28.  $4893 - 1200 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$