Significant Figures Calculation

Solve the following problems such that the answers have the correct number of significant figures.

1) $150\,l^3 \div 4\,l =$ _____

2) $1.1\,\mu g \times 3.25\,\mu g =$ _____

3) $8.8786\,m - 2.4\,m =$ _____

4) $19.6\,ml - 8.77\,ml =$ _____

5) $500.55g \div 5.11\,g =$ _____

6) $53.4028\,kg - 14\,kg =$ _____

7) $2.11 \times 10^3\,g \div 34\,g =$ _____

8) $7.3553\,cm + 6.9\,cm =$ _____

9) $450\,mm \div 114\,mm =$ _____

10) $19.117\,mm - 8.11\,mm =$ _____

11) $0.03\,g \times 7\,g \times 210\,g =$ _____

12) $12.01\,ml + 35.2\,ml + 6\,ml =$ _____

13) $8.31\,g + 7.2\,g + 9.4626\,g =$ _____

14) $2.78\,g + 62.1\,g + 89.56\,g =$ _____

15) $2.15\,kg \times 3.1kg \times 100\,kg =$ _____

16) $13.59\,m + 23.25\,m + 20\,m =$ _____

17) $12.4\,ml \times 12.8\,ml \times 16\,ml =$ _____

18) $0.15\,cm + 1.15\,cm + 2.051\,cm =$ _____

Name: _____

Date: _____ Score: _____

Significant Figures Calculation

Answers

1) $150\,l^3 \div 4\,l =$ _____ $40\,l^2$ _____

2) $1.1\,\mu g \times 3.25\,\mu g =$ _____ $3.6\,\mu g$ _____

3) $8.8786\,m - 2.4\,m =$ _____ $6.5\,m$ _____

4) $19.6\,ml - 8.77\,ml =$ _____ $10.8\,ml$ _____

5) $500.55\,g \div 5.11\,g =$ _____ $98.0\,g$ _____

6) $53.4028\,kg - 14\,kg =$ _____ $39\,kg$ _____

7) $2.11 \times 10^3\,g \div 34\,g =$ _____ $62\,g$ _____

8) $7.3553\,cm + 6.9\,cm =$ _____ $14.3\,cm$ _____

9) $450\,mm \div 114\,mm =$ _____ $3.9\,mm$ _____

10) $19.117\,mm - 8.11\,mm =$ _____ $11.01\,mm$ _____

11) $0.03\,g \times 7\,g \times 210\,g =$ _____ 40 _____

12) $12.01\,ml + 35.2\,ml + 6\,ml =$ _____ $53\,ml$ _____

13) $8.31\,g + 7.2\,g + 9.4626\,g =$ _____ $25\,g$ _____

14) $2.78\,g + 62.1\,g + 89.56\,g =$ _____ $154.4\,g$ _____

15) $2.15\,kg \times 3.1\,kg \times 100\,kg =$ _____ $700\,kg$ _____

16) $13.59\,m + 23.25\,m + 20\,m =$ _____ $57\,m$ _____

17) $12.4\,ml \times 12.8\,ml \times 16\,ml =$ _____ 2500 _____

18) $0.15\,cm + 1.15\,cm + 2.051\,cm =$ _____ $3.35\,cm$ _____