

Remember to show all work and circle your answers.

1. $\frac{4^2}{5} \cdot \frac{1}{2}$

$$\boxed{\frac{2}{5}}$$

2. $\frac{9^3}{10} \cdot \frac{2}{3}$

$$\boxed{\frac{3}{5}}$$

3. $\frac{5}{8} \div \frac{3}{4}$

$$\boxed{\frac{5}{6}}$$

4. $4\frac{1}{6} \div 2$

$$\frac{25}{6} \cdot \frac{1}{2}$$

$$\boxed{2\frac{1}{12}}$$

5. $\frac{12}{25} \div \frac{3}{5}$

$$\frac{12^4}{25} \cdot \frac{5}{3}$$

$$\boxed{\frac{4}{5}}$$

6. $5\frac{2}{5} \cdot 1\frac{1}{9}$

$$\frac{27^3}{8} \cdot \frac{10^2}{9}$$

$$\boxed{6}$$

7. $2\frac{1}{7} \cdot 2\frac{1}{10}$

$$\frac{15^3}{7} \times \frac{21^3}{10^2}$$

$$\boxed{4\frac{1}{2}}$$

8. $1\frac{1}{5} \div 1\frac{1}{15}$

$$\frac{6}{5} \div \frac{16}{15}$$

$$\boxed{1\frac{1}{8}}$$

9. $\frac{2}{5} \cdot \frac{5}{8} \cdot 4$

$$\frac{1}{4}$$

10. $\frac{2}{3} \div \frac{5}{6} \cdot 2$

$$\frac{4}{5}$$

11. $\frac{20}{21} \div \frac{4}{7}$

$$1\frac{2}{3}$$

12. $\frac{8}{25} \cdot \frac{5}{9} \cdot 3$

$$\frac{8}{15}$$

13. $4\frac{2}{5} \cdot \frac{5}{8}$

$$2\frac{3}{4}$$

14. $5\frac{1}{3} \cdot 4$

$$21\frac{1}{3}$$

15. $8\frac{2}{3} \div 6$

$$1\frac{4}{9}$$

16. $2\frac{3}{4} \div 1\frac{1}{2}$

$$1\frac{5}{6}$$

Rewrite each problem in the appropriate format, show all steps, and circle your answers.

1. $42 \cdot 0.4$

$$\begin{array}{r} 42 \\ \times .4 \\ \hline \end{array}$$

$$\boxed{16.8}$$

2. $0.6 \cdot 0.3$

$$\boxed{.18}$$

3. $1.5 \cdot 0.15$

$$\begin{array}{r} 1.5 \\ \times .15 \\ \hline 75 \\ 150 \\ \hline \end{array}$$
$$\boxed{.225}$$

4. $0.4 \cdot 0.2$

$$\boxed{.08}$$

5. $2.43 \div 3$

$$\begin{array}{r} .81 \\ 3 \overline{) 2.43} \end{array}$$

$$\boxed{.81}$$

6. $84.24 \div 6$

$$\begin{array}{r} 14.04 \\ 6 \overline{) 84.24} \\ \underline{-84} \\ 24 \\ \underline{-24} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

$$\boxed{14.04}$$

7. $43.2 \div 5$

$$\begin{array}{r} 8.64 \\ 5 \overline{) 43.2} \\ \underline{-40} \\ 32 \\ \underline{-30} \\ 20 \end{array}$$

$$\boxed{8.64}$$

8. $1.45 \div 0.4$
 $\times 10 \quad \times 10$

$$\begin{array}{r} 3.625 \\ 4 \overline{) 14.5} \end{array}$$

9. $0.25 \cdot .04$

$$\begin{array}{r} .25 \\ \times .04 \\ \hline \end{array}$$

$.01$

10. $8.2 \cdot 2.5$

$$\begin{array}{r} 8.2 \text{ ①} \\ \times 2.5 \text{ ①} \\ \hline 410 \\ + 1640 \\ \hline 20.50 \\ \hline 20.5 \text{ ②} \end{array}$$

11. $2.65 \cdot 1.5$

$$\begin{array}{r} 2.65 \\ \times 1.5 \\ \hline 1325 \\ + 2650 \\ \hline 3.975 \end{array}$$

12. $42.6 \div 8$

$$\begin{array}{r} 5.325 \\ 8 \overline{)42.60} \\ \underline{-40} \downarrow \\ 26 \\ \underline{-24} \downarrow \\ 20 \\ \underline{-16} \\ 40 \end{array}$$

5.325

13. $6.25 \div 25$

$$\begin{array}{r} .25 \\ 25 \overline{)6.25} \end{array}$$

$.25$

14. $1.47 \div 0.3$

$$\begin{array}{r} 4.9 \\ 3 \overline{)1.47} \end{array}$$

4.9