



Solve each problem.

1) $8 \times \frac{1}{5} \times 6 \times \frac{1}{3} \times 10 =$

2) $8 \times \frac{1}{5} \times 9 \times \frac{2}{3} \times 10 =$

3) $\frac{1}{2} \times 14 \times \frac{3}{7} \times 4 \times 9 =$

4) $3 \times \frac{3}{5} \times 21 \times \frac{3}{7} \times 15 =$

5) $\frac{1}{2} \times 14 \times \frac{5}{7} \times 4 \times 8 =$

6) $\frac{2}{3} \times 2 \times 6 =$

7) $\frac{3}{7} \times 9 \times 14 =$

8) $\frac{3}{7} \times 6 \times \frac{1}{3} \times 14 \times 5 =$

9) $\frac{4}{5} \times 6 \times 15 =$

10) $\frac{1}{5} \times 3 \times 15 =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$\begin{aligned} 1) \quad & 8 \times \frac{1}{5} \times 6 \times \frac{1}{3} \times 10 = \\ & 8 \times (\frac{1}{3} \times 6) \times (\frac{1}{5} \times 10) \\ & 8 \times 2 \times 2 \end{aligned}$$

$$\begin{aligned} 2) \quad & 8 \times \frac{1}{5} \times 9 \times \frac{2}{3} \times 10 = \\ & 8 \times (\frac{2}{3} \times 9) \times (\frac{1}{5} \times 10) \\ & 8 \times 6 \times 2 \end{aligned}$$

$$\begin{aligned} 3) \quad & \frac{1}{2} \times 14 \times \frac{3}{7} \times 4 \times 9 = \\ & (\frac{3}{7} \times 14) \times (\frac{1}{2} \times 4) \times 9 \\ & 6 \times 2 \times 9 \end{aligned}$$

$$\begin{aligned} 4) \quad & 3 \times \frac{3}{5} \times 21 \times \frac{3}{7} \times 15 = \\ & 3 \times (\frac{3}{7} \times 21) \times (\frac{3}{5} \times 15) \\ & 3 \times 9 \times 9 \end{aligned}$$

$$\begin{aligned} 5) \quad & \frac{1}{2} \times 14 \times \frac{5}{7} \times 4 \times 8 = \\ & (\frac{5}{7} \times 14) \times (\frac{1}{2} \times 4) \times 8 \\ & 10 \times 2 \times 8 \end{aligned}$$

$$\begin{aligned} 6) \quad & \frac{2}{3} \times 2 \times 6 = \\ & (\frac{2}{3} \times 6) \times 2 \\ & 4 \times 2 \end{aligned}$$

$$\begin{aligned} 7) \quad & \frac{3}{7} \times 9 \times 14 = \\ & (\frac{3}{7} \times 14) \times 9 \\ & 6 \times 9 \end{aligned}$$

$$\begin{aligned} 8) \quad & \frac{3}{7} \times 6 \times \frac{1}{3} \times 14 \times 5 = \\ & (\frac{1}{3} \times 6) \times (\frac{3}{7} \times 14) \times 5 \\ & 2 \times 6 \times 5 \end{aligned}$$

$$\begin{aligned} 9) \quad & \frac{4}{5} \times 6 \times 15 = \\ & (\frac{4}{5} \times 15) \times 6 \\ & 12 \times 6 \end{aligned}$$

$$\begin{aligned} 10) \quad & \frac{1}{5} \times 3 \times 15 = \\ & (\frac{1}{5} \times 15) \times 3 \\ & 3 \times 3 \end{aligned}$$

Answers

1. **32**
2. **-96**
3. **-108**
4. **243**
5. **160**
6. **8**
7. **54**
8. **60**
9. **72**
10. **9**