



Solve each problem.

1) $9 \times \frac{1}{2} \times 14 \times \frac{6}{7} \times 4 =$

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

3) $\frac{1}{3} \times 3 \times 9 =$

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

5) $\frac{1}{3} \times 14 \times -\frac{6}{7} \times 9 \times 2 =$

6) $\frac{1}{2} \times 21 \times -\frac{4}{7} \times 6 \times 8 =$

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

8) $5 \times -\frac{2}{5} \times 6 \times \frac{1}{2} \times 15 =$

9) $4 \times \frac{1}{3} \times 14 \times \frac{5}{7} \times 9 =$

10) $-\frac{1}{2} \times 21 \times \frac{6}{7} \times 4 \times 9 =$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Solve each problem.

$$\begin{aligned} 1) \quad & 9 \times \frac{1}{2} \times 14 \times \frac{6}{7} \times 4 = \\ & 9 \times (\frac{6}{7} \times 14) \times (\frac{1}{2} \times 4) \\ & 9 \times 12 \times 2 \end{aligned}$$

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

$$\begin{aligned} 3) \quad & \frac{1}{3} \times 3 \times 9 = \\ & (\frac{1}{3} \times 9) \times 3 \\ & 3 \times 3 \end{aligned}$$

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

$$\begin{aligned} 5) \quad & \frac{1}{3} \times 14 \times -\frac{6}{7} \times 9 \times 2 = \\ & (-\frac{6}{7} \times 14) \times (\frac{1}{3} \times 9) \times 2 \\ & -12 \times 3 \times 2 \end{aligned}$$

$$\begin{aligned} 6) \quad & \frac{1}{2} \times 21 \times -\frac{4}{7} \times 6 \times 8 = \\ & (-\frac{4}{7} \times 21) \times (\frac{1}{2} \times 6) \times 8 \\ & -12 \times 3 \times 8 \end{aligned}$$

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

$$\begin{aligned} 8) \quad & 5 \times -\frac{2}{5} \times 6 \times \frac{1}{2} \times 15 = \\ & 5 \times (\frac{1}{2} \times 6) \times (-\frac{2}{5} \times 15) \\ & 5 \times 3 \times -6 \end{aligned}$$

$$\begin{aligned} 9) \quad & 4 \times \frac{1}{3} \times 14 \times \frac{5}{7} \times 9 = \\ & 4 \times (\frac{5}{7} \times 14) \times (\frac{1}{3} \times 9) \\ & 4 \times 10 \times 3 \end{aligned}$$

$$\begin{aligned} 10) \quad & -\frac{1}{2} \times 21 \times \frac{6}{7} \times 4 \times 9 = \\ & (\frac{6}{7} \times 21) \times (-\frac{1}{2} \times 4) \times 9 \\ & 18 \times -2 \times 9 \end{aligned}$$

Answers

1. **216**
2. **108**
3. **9**
4. **9**
5. **-72**
6. **-288**
7. **128**
8. **-90**
9. **120**
10. **-324**