



Solve each problem.

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

2) $\frac{4}{7} \times 2 \times 14$

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

4) $\frac{2}{3} \times 8 \times 6$

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

6) $7 \times \frac{1}{5} \times 6 \times \frac{1}{3} \times 10$

7) $2 \times \frac{1}{2} \times 6 \times \frac{2}{3} \times 4$

8) $2 \times \frac{1}{3} \times 21 \times \frac{2}{7} \times 6$

9) $\frac{1}{7} \times 10 \times \frac{2}{5} \times 21 \times 3$

10) $\frac{1}{5} \times 4 \times \frac{1}{2} \times 15 \times 4$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

$(\frac{3}{5} \times 15) \times 10$

9×10

2) $\frac{4}{7} \times 2 \times 14$

$(\frac{4}{7} \times 14) \times 2$

8×2

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

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

$-10 \times 3 \times 9$

4) $\frac{2}{3} \times 8 \times 6$

$(\frac{2}{3} \times 6) \times 8$

4×8

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

$(\frac{1}{3} \times 6) \times 10$

2×10

6) $7 \times -\frac{1}{5} \times 6 \times \frac{1}{3} \times 10$

$7 \times (\frac{1}{3} \times 6) \times (-\frac{1}{5} \times 10)$

$7 \times 2 \times -2$

7) $2 \times -\frac{1}{2} \times 6 \times -\frac{2}{3} \times 4$

$2 \times (-\frac{2}{3} \times 6) \times (-\frac{1}{2} \times 4)$

$2 \times -4 \times -2$

8) $2 \times -\frac{1}{3} \times 21 \times -\frac{2}{7} \times 6$

$2 \times (-\frac{2}{7} \times 21) \times (-\frac{1}{3} \times 6)$

$2 \times -6 \times -2$

9) $\frac{1}{7} \times 10 \times \frac{2}{5} \times 21 \times 3$

$(\frac{2}{5} \times 10) \times (\frac{1}{7} \times 21) \times 3$

$4 \times 3 \times 3$

10) $-\frac{1}{5} \times 4 \times -\frac{1}{2} \times 15 \times 4$

$(-\frac{1}{2} \times 4) \times (-\frac{1}{5} \times 15) \times 4$

$-2 \times -3 \times 4$

Answers

1. 90

2. 16

3. -270

4. 32

5. 20

6. -28

7. 16

8. 24

9. 36

10. 24



Solve each problem.

1) $9 \times -\frac{4}{5} \times 21 \times \frac{4}{7} \times 15$

2) $2 \times -\frac{2}{3} \times 6 \times -\frac{1}{2} \times 9$

3) $\frac{1}{7} \times 9 \times -\frac{2}{3} \times 14 \times 10$

4) $-\frac{1}{3} \times 4 \times -\frac{1}{2} \times 9 \times 2$

5) $-\frac{2}{3} \times 10 \times \frac{4}{5} \times 9 \times 10$

6) $\frac{3}{5} \times 9 \times 15$

7) $\frac{1}{2} \times 3 \times 6$

8) $-\frac{2}{5} \times 6 \times \frac{1}{3} \times 10 \times 5$

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

10) $9 \times -\frac{1}{2} \times 6 \times \frac{2}{3} \times 4$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

$$1) \quad 9 \times -\frac{4}{5} \times 21 \times \frac{4}{7} \times 15$$

$$9 \times (\frac{4}{7} \times 21) \times (-\frac{4}{5} \times 15)$$

$$9 \times 12 \times -12$$

$$2) \quad 2 \times -\frac{2}{3} \times 6 \times -\frac{1}{2} \times 9$$

$$2 \times (-\frac{1}{2} \times 6) \times (-\frac{2}{3} \times 9)$$

$$2 \times -3 \times -6$$

$$3) \quad \frac{1}{7} \times 9 \times -\frac{2}{3} \times 14 \times 10$$

$$(-\frac{2}{3} \times 9) \times (\frac{1}{7} \times 14) \times 10$$

$$-6 \times 2 \times 10$$

$$4) \quad -\frac{1}{3} \times 4 \times -\frac{1}{2} \times 9 \times 2$$

$$(-\frac{1}{2} \times 4) \times (-\frac{1}{3} \times 9) \times 2$$

$$-2 \times -3 \times 2$$

$$5) \quad -\frac{2}{3} \times 10 \times \frac{4}{5} \times 9 \times 10$$

$$(\frac{4}{5} \times 10) \times (-\frac{2}{3} \times 9) \times 10$$

$$8 \times -6 \times 10$$

$$6) \quad \frac{3}{5} \times 9 \times 15$$

$$(\frac{3}{5} \times 15) \times 9$$

$$9 \times 9$$

$$7) \quad \frac{1}{2} \times 3 \times 6$$

$$(\frac{1}{2} \times 6) \times 3$$

$$3 \times 3$$

$$8) \quad -\frac{2}{5} \times 6 \times \frac{1}{3} \times 10 \times 5$$

$$(\frac{1}{3} \times 6) \times (-\frac{2}{5} \times 10) \times 5$$

$$2 \times -4 \times 5$$

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

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

$$2 \times 2 \times 7$$

$$10) \quad 9 \times -\frac{1}{2} \times 6 \times \frac{2}{3} \times 4$$

$$9 \times (\frac{2}{3} \times 6) \times (-\frac{1}{2} \times 4)$$

$$9 \times 4 \times -2$$

Answers

1. -1296

2. 36

3. -120

4. 12

5. -480

6. 81

7. 9

8. -40

9. 28

10. -72



Solve each problem.

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

2) $\frac{2}{7} \times 8 \times 21$

3) $5 \times -\frac{2}{5} \times 6 \times \frac{1}{3} \times 10$

4) $\frac{3}{5} \times 5 \times 15$

5) $-\frac{1}{5} \times 6 \times -\frac{2}{3} \times 10 \times 3$

6) $2 \times \frac{2}{7} \times 10 \times -\frac{2}{5} \times 14$

7) $\frac{2}{5} \times 4 \times \frac{1}{2} \times 15 \times 6$

8) $\frac{1}{5} \times 21 \times -\frac{5}{7} \times 10 \times 2$

9) $8 \times \frac{6}{7} \times 4 \times \frac{1}{2} \times 21$

10) $\frac{2}{7} \times 4 \times 21$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

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

$6 \times 2 \times 7$

2) $\frac{2}{7} \times 8 \times 21$

$(\frac{2}{7} \times 21) \times 8$

6×8

3) $5 \times -\frac{2}{5} \times 6 \times \frac{1}{3} \times 10$

$5 \times (\frac{1}{3} \times 6) \times (-\frac{2}{5} \times 10)$

$5 \times 2 \times -4$

4) $\frac{3}{5} \times 5 \times 15$

$(\frac{3}{5} \times 15) \times 5$

9×5

5) $-\frac{1}{5} \times 6 \times -\frac{2}{3} \times 10 \times 3$

$(-\frac{2}{3} \times 6) \times (-\frac{1}{5} \times 10) \times 3$

$-4 \times -2 \times 3$

6) $2 \times \frac{2}{7} \times 10 \times -\frac{2}{5} \times 14$

$2 \times (-\frac{2}{5} \times 10) \times (\frac{2}{7} \times 14)$

$2 \times -4 \times 4$

7) $\frac{2}{5} \times 4 \times \frac{1}{2} \times 15 \times 6$

$(\frac{1}{2} \times 4) \times (\frac{2}{5} \times 15) \times 6$

$2 \times 6 \times 6$

8) $\frac{1}{5} \times 21 \times -\frac{5}{7} \times 10 \times 2$

$(-\frac{5}{7} \times 21) \times (\frac{1}{5} \times 10) \times 2$

$-15 \times 2 \times 2$

9) $8 \times \frac{6}{7} \times 4 \times \frac{1}{2} \times 21$

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

$8 \times 2 \times 18$

10) $\frac{2}{7} \times 4 \times 21$

$(\frac{2}{7} \times 21) \times 4$

6×4

Answers

1. 84

2. 48

3. -40

4. 45

5. 24

6. -32

7. 72

8. -60

9. 288

10. 24



Solve each problem.

1) $\frac{1}{2} \times 8 \times 6$

2) $-\frac{1}{7} \times 10 \times \frac{3}{5} \times 14 \times 6$

3) $-\frac{1}{2} \times 21 \times -\frac{1}{7} \times 6 \times 2$

4) $\frac{1}{2} \times 9 \times 4$

5) $9 \times \frac{1}{2} \times 15 \times -\frac{3}{5} \times 6$

6) $9 \times -\frac{1}{2} \times 6 \times -\frac{1}{3} \times 4$

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

8) $6 \times -\frac{3}{7} \times 15 \times -\frac{4}{5} \times 21$

9) $\frac{2}{5} \times 21 \times -\frac{3}{7} \times 15 \times 7$

10) $-\frac{1}{2} \times 10 \times \frac{2}{5} \times 4 \times 5$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $\frac{1}{2} \times 8 \times 6$

$(\frac{1}{2} \times 6) \times 8$

3×8

2) $-\frac{1}{7} \times 10 \times \frac{3}{5} \times 14 \times 6$

$(\frac{3}{5} \times 10) \times (-\frac{1}{7} \times 14) \times 6$

$6 \times -2 \times 6$

3) $-\frac{1}{2} \times 21 \times -\frac{1}{7} \times 6 \times 2$

$(-\frac{1}{7} \times 21) \times (-\frac{1}{2} \times 6) \times 2$

$-3 \times -3 \times 2$

4) $\frac{1}{2} \times 9 \times 4$

$(\frac{1}{2} \times 4) \times 9$

2×9

5) $9 \times \frac{1}{2} \times 15 \times -\frac{3}{5} \times 6$

$9 \times (-\frac{3}{5} \times 15) \times (\frac{1}{2} \times 6)$

$9 \times -9 \times 3$

6) $9 \times -\frac{1}{2} \times 6 \times -\frac{1}{3} \times 4$

$9 \times (-\frac{1}{3} \times 6) \times (-\frac{1}{2} \times 4)$

$9 \times -2 \times -2$

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

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

$12 \times -3 \times 6$

8) $6 \times -\frac{3}{7} \times 15 \times -\frac{4}{5} \times 21$

$6 \times (-\frac{4}{5} \times 15) \times (-\frac{3}{7} \times 21)$

$6 \times -12 \times -9$

9) $\frac{2}{5} \times 21 \times -\frac{3}{7} \times 15 \times 7$

$(-\frac{3}{7} \times 21) \times (\frac{2}{5} \times 15) \times 7$

$-9 \times 6 \times 7$

10) $-\frac{1}{2} \times 10 \times \frac{2}{5} \times 4 \times 5$

$(\frac{2}{5} \times 10) \times (-\frac{1}{2} \times 4) \times 5$

$4 \times -2 \times 5$

Answers

1. 24

2. -72

3. 18

4. 18

5. -243

6. 36

7. -216

8. 648

9. -378

10. -40



Solve each problem.

1) $6 \times \frac{1}{2} \times 6 \times \frac{2}{3} \times 4$

2) $\frac{2}{3} \times 2 \times 9$

3) $-\frac{2}{5} \times 6 \times -\frac{1}{2} \times 15 \times 7$

4) $\frac{2}{3} \times 14 \times \frac{4}{7} \times 6 \times 2$

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

6) $9 \times -\frac{2}{5} \times 9 \times -\frac{2}{3} \times 10$

7) $6 \times \frac{1}{5} \times 4 \times -\frac{1}{2} \times 15$

8) $\frac{1}{2} \times 6 \times 6$

9) $10 \times -\frac{1}{3} \times 10 \times \frac{1}{5} \times 9$

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $6 \times \frac{1}{2} \times 6 \times \frac{2}{3} \times 4$

$6 \times (\frac{2}{3} \times 6) \times (\frac{1}{2} \times 4)$

$6 \times 4 \times 2$

2) $\frac{2}{3} \times 2 \times 9$

$(\frac{2}{3} \times 9) \times 2$

6×2

3) $-\frac{2}{5} \times 6 \times -\frac{1}{2} \times 15 \times 7$

$(-\frac{1}{2} \times 6) \times (-\frac{2}{5} \times 15) \times 7$

$-3 \times -6 \times 7$

4) $\frac{2}{3} \times 14 \times \frac{4}{7} \times 6 \times 2$

$(\frac{4}{7} \times 14) \times (\frac{2}{3} \times 6) \times 2$

$8 \times 4 \times 2$

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

$(\frac{1}{2} \times 4) \times 8$

2×8

6) $9 \times -\frac{2}{5} \times 9 \times -\frac{2}{3} \times 10$

$9 \times (-\frac{2}{3} \times 9) \times (-\frac{2}{5} \times 10)$

$9 \times -6 \times -4$

7) $6 \times \frac{1}{5} \times 4 \times -\frac{1}{2} \times 15$

$6 \times (-\frac{1}{2} \times 4) \times (\frac{1}{5} \times 15)$

$6 \times -2 \times 3$

8) $\frac{1}{2} \times 6 \times 6$

$(\frac{1}{2} \times 6) \times 6$

3×6

9) $10 \times -\frac{1}{3} \times 10 \times \frac{1}{5} \times 9$

$10 \times (\frac{1}{5} \times 10) \times (-\frac{1}{3} \times 9)$

$10 \times 2 \times -3$

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

$(-\frac{1}{2} \times 4) \times (-\frac{4}{7} \times 21) \times 10$

$-2 \times -12 \times 10$

Answers

1. 48

2. 12

3. 126

4. 64

5. 16

6. 216

7. -36

8. 18

9. -60

10. 240



Solve each problem.

1) $3 \times -\frac{2}{5} \times 14 \times \frac{3}{7} \times 10$

2) $\frac{3}{5} \times 2 \times 10$

3) $\frac{1}{2} \times 5 \times 4$

4) $\frac{4}{5} \times 21 \times \frac{5}{7} \times 10 \times 7$

5) $\frac{1}{2} \times 15 \times \frac{4}{5} \times 6 \times 3$

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

7) $\frac{1}{2} \times 2 \times 4$

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

9) $\frac{2}{3} \times 7 \times 9$

10) $\frac{2}{3} \times 9 \times 6$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $3 \times -\frac{2}{5} \times 14 \times \frac{3}{7} \times 10$

$3 \times (\frac{3}{7} \times 14) \times (-\frac{2}{5} \times 10)$

$3 \times 6 \times -4$

2) $\frac{3}{5} \times 2 \times 10$

$(\frac{3}{5} \times 10) \times 2$

6×2

3) $\frac{1}{2} \times 5 \times 4$

$(\frac{1}{2} \times 4) \times 5$

2×5

4) $\frac{4}{5} \times 21 \times \frac{5}{7} \times 10 \times 7$

$(\frac{5}{7} \times 21) \times (\frac{4}{5} \times 10) \times 7$

$15 \times 8 \times 7$

5) $\frac{1}{2} \times 15 \times \frac{4}{5} \times 6 \times 3$

$(\frac{4}{5} \times 15) \times (\frac{1}{2} \times 6) \times 3$

$12 \times 3 \times 3$

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

$9 \times (\frac{4}{7} \times 21) \times (\frac{1}{2} \times 4)$

$9 \times 12 \times 2$

7) $\frac{1}{2} \times 2 \times 4$

$(\frac{1}{2} \times 4) \times 2$

2×2

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

$4 \times (\frac{4}{7} \times 21) \times (-\frac{1}{2} \times 4)$

$4 \times 12 \times -2$

9) $\frac{2}{3} \times 7 \times 9$

$(\frac{2}{3} \times 9) \times 7$

6×7

10) $\frac{2}{3} \times 9 \times 6$

$(\frac{2}{3} \times 6) \times 9$

4×9

Answers

1. -72

2. 12

3. 10

4. 840

5. 108

6. 216

7. 4

8. -96

9. 42

10. 36



Solve each problem.

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

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

3) $4 \times \frac{1}{5} \times 21 \times -\frac{3}{7} \times 15$

4) $\frac{3}{5} \times 6 \times -\frac{2}{3} \times 10 \times 2$

5) $\frac{1}{2} \times 6 \times 4$

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

7) $5 \times -\frac{3}{5} \times 21 \times \frac{3}{7} \times 10$

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

9) $\frac{1}{5} \times 5 \times 15$

10) $-\frac{3}{5} \times 4 \times -\frac{1}{2} \times 15 \times 10$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

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

$4 \times (-\frac{1}{2} \times 4) \times (\frac{1}{7} \times 21)$

$4 \times -2 \times 3$

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

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

$9 \times -3 \times 2$

3) $4 \times \frac{1}{5} \times 21 \times -\frac{3}{7} \times 15$

$4 \times (-\frac{3}{7} \times 21) \times (\frac{1}{5} \times 15)$

$4 \times -9 \times 3$

4) $\frac{3}{5} \times 6 \times -\frac{2}{3} \times 10 \times 2$

$(-\frac{2}{3} \times 6) \times (\frac{3}{5} \times 10) \times 2$

$-4 \times 6 \times 2$

5) $\frac{1}{2} \times 6 \times 4$

$(\frac{1}{2} \times 4) \times 6$

2×6

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

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

$-2 \times -18 \times 6$

7) $5 \times -\frac{3}{5} \times 21 \times \frac{3}{7} \times 10$

$5 \times (\frac{3}{7} \times 21) \times (-\frac{3}{5} \times 10)$

$5 \times 9 \times -6$

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

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

4×6

9) $\frac{1}{5} \times 5 \times 15$

$(\frac{1}{5} \times 15) \times 5$

3×5

10) $-\frac{3}{5} \times 4 \times -\frac{1}{2} \times 15 \times 10$

$(-\frac{1}{2} \times 4) \times (-\frac{3}{5} \times 15) \times 10$

$-2 \times -9 \times 10$

Answers

1. -24

2. -54

3. -108

4. -48

5. 12

6. 216

7. -270

8. 24

9. 15

10. 180



Solve each problem.

1) $\frac{2}{3} \times 8 \times 6$

2) $\frac{2}{3} \times 6 \times \frac{1}{2} \times 9 \times 8$

3) $-\frac{2}{5} \times 6 \times \frac{1}{3} \times 10 \times 5$

4) $\frac{3}{5} \times 6 \times 15$

5) $\frac{1}{3} \times 6 \times 6$

6) $\frac{1}{3} \times 6 \times -\frac{1}{2} \times 9 \times 2$

7) $8 \times \frac{2}{7} \times 9 \times \frac{1}{3} \times 14$

8) $8 \times -\frac{6}{7} \times 15 \times -\frac{4}{5} \times 14$

9) $3 \times -\frac{3}{5} \times 4 \times -\frac{1}{2} \times 15$

10) $4 \times \frac{4}{5} \times 4 \times -\frac{1}{2} \times 15$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $\frac{2}{3} \times 8 \times 6$

$(\frac{2}{3} \times 6) \times 8$

4×8

2) $\frac{2}{3} \times 6 \times \frac{1}{2} \times 9 \times 8$

$(\frac{1}{2} \times 6) \times (\frac{2}{3} \times 9) \times 8$

$3 \times 6 \times 8$

3) $-\frac{2}{5} \times 6 \times \frac{1}{3} \times 10 \times 5$

$(\frac{1}{3} \times 6) \times (-\frac{2}{5} \times 10) \times 5$

$2 \times -4 \times 5$

4) $\frac{3}{5} \times 6 \times 15$

$(\frac{3}{5} \times 15) \times 6$

9×6

5) $\frac{1}{3} \times 6 \times 6$

$(\frac{1}{3} \times 6) \times 6$

2×6

6) $\frac{1}{3} \times 6 \times -\frac{1}{2} \times 9 \times 2$

$(-\frac{1}{2} \times 6) \times (\frac{1}{3} \times 9) \times 2$

$-3 \times 3 \times 2$

7) $8 \times \frac{2}{7} \times 9 \times \frac{1}{3} \times 14$

$8 \times (\frac{1}{3} \times 9) \times (\frac{2}{7} \times 14)$

$8 \times 3 \times 4$

8) $8 \times -\frac{6}{7} \times 15 \times -\frac{4}{5} \times 14$

$8 \times (-\frac{4}{5} \times 15) \times (-\frac{6}{7} \times 14)$

$8 \times -12 \times -12$

9) $3 \times -\frac{3}{5} \times 4 \times -\frac{1}{2} \times 15$

$3 \times (-\frac{1}{2} \times 4) \times (-\frac{3}{5} \times 15)$

$3 \times -2 \times -9$

10) $4 \times \frac{4}{5} \times 4 \times -\frac{1}{2} \times 15$

$4 \times (-\frac{1}{2} \times 4) \times (\frac{4}{5} \times 15)$

$4 \times -2 \times 12$

Answers

1. 32

2. 144

3. -40

4. 54

5. 12

6. -18

7. 96

8. 1152

9. 54

10. -96



Solve each problem.

1) $7 \times \frac{1}{7} \times 15 \times \frac{1}{5} \times 14$

2) $\frac{1}{2} \times 4 \times 4$

3) $2 \times -\frac{1}{2} \times 9 \times \frac{1}{3} \times 4$

4) $8 \times \frac{1}{5} \times 9 \times \frac{2}{3} \times 10$

5) $\frac{4}{5} \times 21 \times -\frac{5}{7} \times 10 \times 8$

6) $\frac{2}{7} \times 8 \times 21$

7) $\frac{1}{2} \times 21 \times \frac{5}{7} \times 4 \times 5$

8) $\frac{6}{7} \times 15 \times -\frac{3}{5} \times 14 \times 7$

9) $\frac{3}{5} \times 10 \times 10$

10) $-\frac{1}{2} \times 14 \times -\frac{4}{7} \times 6 \times 6$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $7 \times \frac{1}{7} \times 15 \times \frac{1}{5} \times 14$

$7 \times (\frac{1}{5} \times 15) \times (\frac{1}{7} \times 14)$

$7 \times 3 \times 2$

2) $\frac{1}{2} \times 4 \times 4$

$(\frac{1}{2} \times 4) \times 4$

2×4

3) $2 \times -\frac{1}{2} \times 9 \times \frac{1}{3} \times 4$

$2 \times (\frac{1}{3} \times 9) \times (-\frac{1}{2} \times 4)$

$2 \times 3 \times -2$

4) $8 \times \frac{1}{5} \times 9 \times \frac{2}{3} \times 10$

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

$8 \times 6 \times 2$

5) $\frac{4}{5} \times 21 \times -\frac{5}{7} \times 10 \times 8$

$(-\frac{5}{7} \times 21) \times (\frac{4}{5} \times 10) \times 8$

$-15 \times 8 \times 8$

6) $\frac{2}{7} \times 8 \times 21$

$(\frac{2}{7} \times 21) \times 8$

6×8

7) $\frac{1}{2} \times 21 \times \frac{5}{7} \times 4 \times 5$

$(\frac{5}{7} \times 21) \times (\frac{1}{2} \times 4) \times 5$

$15 \times 2 \times 5$

8) $\frac{6}{7} \times 15 \times -\frac{3}{5} \times 14 \times 7$

$(-\frac{3}{5} \times 15) \times (\frac{6}{7} \times 14) \times 7$

$-9 \times 12 \times 7$

9) $\frac{3}{5} \times 10 \times 10$

$(\frac{3}{5} \times 10) \times 10$

6×10

10) $-\frac{1}{2} \times 14 \times -\frac{4}{7} \times 6 \times 6$

$(-\frac{4}{7} \times 14) \times (-\frac{1}{2} \times 6) \times 6$

$-8 \times -3 \times 6$

Answers

1. 42

2. 8

3. -12

4. 96

5. -960

6. 48

7. 150

8. -756

9. 60

10. 144



Solve each problem.

1) $\frac{4}{5} \times 4 \times 15$

2) $9 \times \frac{1}{2} \times 9 \times -\frac{2}{3} \times 4$

3) $8 \times -\frac{1}{2} \times 14 \times -\frac{5}{7} \times 4$

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

5) $-\frac{1}{7} \times 6 \times \frac{1}{2} \times 21 \times 2$

6) $\frac{3}{7} \times 8 \times 21$

7) $2 \times \frac{2}{5} \times 21 \times \frac{3}{7} \times 10$

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

9) $\frac{2}{7} \times 8 \times 21$

10) $\frac{1}{2} \times 5 \times 4$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem.

1) $\frac{4}{5} \times 4 \times 15$

$(\frac{4}{5} \times 15) \times 4$

12×4

2) $9 \times \frac{1}{2} \times 9 \times -\frac{2}{3} \times 4$

$9 \times (-\frac{2}{3} \times 9) \times (\frac{1}{2} \times 4)$

$9 \times -6 \times 2$

3) $8 \times -\frac{1}{2} \times 14 \times -\frac{5}{7} \times 4$

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

$8 \times -10 \times -2$

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

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

$-2 \times -18 \times 9$

5) $-\frac{1}{7} \times 6 \times \frac{1}{2} \times 21 \times 2$

$(\frac{1}{2} \times 6) \times (-\frac{1}{7} \times 21) \times 2$

$3 \times -3 \times 2$

6) $\frac{3}{7} \times 8 \times 21$

$(\frac{3}{7} \times 21) \times 8$

9×8

7) $2 \times \frac{2}{5} \times 21 \times \frac{3}{7} \times 10$

$2 \times (\frac{3}{7} \times 21) \times (\frac{2}{5} \times 10)$

$2 \times 9 \times 4$

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

$(-\frac{1}{3} \times 6) \times (-\frac{3}{7} \times 14) \times 3$

$-2 \times -6 \times 3$

9) $\frac{2}{7} \times 8 \times 21$

$(\frac{2}{7} \times 21) \times 8$

6×8

10) $\frac{1}{2} \times 5 \times 4$

$(\frac{1}{2} \times 4) \times 5$

2×5

Answers

1. 48

2. -108

3. 160

4. 324

5. -18

6. 72

7. 72

8. 36

9. 48

10. 10