Name:

Rewrite each expression in its simplest form.

1) $(^{30}\!/_{45}G + 20) - (^{8}\!/_{9}G + 7)$

1. _____

2. _____

2) $(^{2}\!/_{3}Z - 3) - (^{1}\!/_{3}Z + 18)$

3. _____

3) $(^{5}\!/_{6}Y - 14) - (^{15}\!/_{30}Y - 10)$

4. _____

5. _____

6. _____

4) $-(^{12}\!/_{18}C + 18) + (^{7}\!/_{9}C + 19)$

7. _____

8. _____

5) $-(^{5}\!/_{25}V - 18) + (^{2}\!/_{5}V + 10)$

9. _____

10. _____

6) $-(^{3}\!/_{4}T - 4) - (^{3}\!/_{12}T + 6)$

7) $-(^{1}\!/_{3}E - 11) - (^{2}\!/_{3}E - 19)$

8) $-(-^{3}\!/_{8}W + 13) - (^{2}\!/_{8}W - 8)$

9) $(^{6}\!/_{9}N - 8) - (^{4}\!/_{36}N - 6)$

10) $(^{4}\!/_{8}Q - 8) - (^{1}\!/_{4}Q + 8)$

Name: **Answer Key**

Rewrite each expression in its simplest form.

Answers

1) $(^{30}\!/_{45}G + 20) - (^{8}\!/_{9}G + 7)$

$^{30}\!/_{45}G + 20 - ^{40}\!/_{45}G - 7$

1. $- ^{10}\!/_{45}G+13$

2) $(^{2}\!/_{3}Z - 3) - (^{1}\!/_{3}Z + 18)$

$^{2}\!/_{3}Z - 3 - ^{1}\!/_{3}Z - 18$

2. $^{1}\!/_{3}Z-21$

3) $(^{5}\!/_{6}Y - 14) - (^{15}\!/_{30}Y - 10)$

$^{25}\!/_{30}Y - 14 - ^{15}\!/_{30}Y + 10$

3. $^{10}\!/_{30}Y-4$

4) $-(^{12}\!/_{18}C + 18) + (^{7}\!/_{9}C + 19)$

$-^{12}\!/_{18}C - 18 + ^{14}\!/_{18}C + 19$

4. $^{2}\!/_{18}C+1$

5) $-(^{5}\!/_{25}V - 18) + (^{2}\!/_{5}V + 10)$

$-^{5}\!/_{25}V + 18 + ^{10}\!/_{25}V + 10$

5. $^{5}\!/_{25}V-8$

6) $-(^{3}\!/_{4}T - 4) - (^{3}\!/_{12}T + 6)$

$-^{9}\!/_{12}T + 4 - ^{3}\!/_{12}T - 6$

6. $- ^{12}\!/_{12}T-2$

7) $-(^{1}\!/_{3}E - 11) - (^{2}\!/_{3}E - 19)$

$-^{1}\!/_{3}E + 11 - ^{2}\!/_{3}E + 19$

7. $- ^{3}\!/_{3}E+30$

8) $-(-^{3}\!/_{8}W + 13) - (^{2}\!/_{8}W - 8)$

$^{3}\!/_{8}W - 13 - ^{2}\!/_{8}W + 8$

8. $^{1}\!/_{8}W-5$

9) $(^{6}\!/_{9}N - 8) - (^{4}\!/_{36}N - 6)$

$^{24}\!/_{36}N - 8 - ^{4}\!/_{36}N + 6$

9. $^{20}\!/_{36}N-2$

10) $(^{4}\!/_{8}Q - 8) - (^{1}\!/_{4}Q + 8)$

$^{4}\!/_{8}Q - 8 - ^{2}\!/_{8}Q - 8$

10. $^{2}\!/_{8}Q-16$

Math

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Rewrite each expression in its simplest form.

1) $(\frac{5}{9}D + 14) - (\frac{12}{18}D + 16)$

2) $(\frac{15}{35}C - 19) - (\frac{1}{7}C + 3)$

3) $(\frac{3}{4}X - 7) - (\frac{8}{16}X - 13)$

4) $-(\frac{1}{6}W + 13) + (\frac{15}{18}W + 2)$

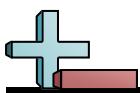**5)** $-(\frac{8}{40}V - 4) + (\frac{1}{10}V + 11)$

6) $-(\frac{12}{14}M - 14) - (\frac{3}{7}M + 19)$

7) $-(\frac{2}{3}E - 19) - (\frac{2}{6}E - 11)$

8) $-(-\frac{1}{3}B + 11) - (\frac{2}{3}B - 20)$

9) $-(\frac{8}{10}Q - 19) + (\frac{3}{5}Q + 17)$

10) $(\frac{2}{9}Y - 9) - (\frac{7}{9}Y - 11)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Rewrite each expression in its simplest form.

1) $(\,^5\!/_9 D + 14\,) - (\,^{12}\!/_{18} D + 16\,)$

$^{10}\!/_{18}D + 14 - \,^{12}\!/_{18}D - 16$

1. $-\,^2\!/_{18}\mathbf{D\text{-}2}$

2) $(\,^{15}\!/_{35} C - 19\,) - (\,^1\!/_7 C + 3\,)$

$^{15}\!/_{35}C - 19 - \,^5\!/_{35}C - 3$

2. $^{10}\!/_{35}\mathbf{C\text{-}22}$

3) $(\,^3\!/_4 X - 7\,) - (\,^8\!/_{16} X - 13\,)$

$^{12}\!/_{16}X - 7 - \,^8\!/_{16}X + 13$

3. $^4\!/_{16}\mathbf{X\text{+}6}$

4) $-(\,^1\!/_6 W + 13\,) + (\,^{15}\!/_{18} W + 2\,)$

$-\,^3\!/_{18}W - 13 + \,^{15}\!/_{18}W + 2$

4. $^{12}\!/_{18}\mathbf{W\text{-}11}$

5) $-(\,^8\!/_{40} V - 4\,) + (\,^1\!/_{10} V + 11\,)$

$-\,^8\!/_{40}V + 4 + \,^4\!/_{40}V + 11$

5. $-\,^4\!/_{40}\mathbf{V\text{+}7}$

6) $-(\,^{12}\!/_{14} M - 14\,) - (\,^3\!/_7 M + 19\,)$

$-\,^{12}\!/_{14}M + 14 - \,^6\!/_{14}M - 19$

6. $-\,^{18}\!/_{14}\mathbf{M\text{-}5}$

7) $-(\,^2\!/_3 E - 19\,) - (\,^2\!/_6 E - 11\,)$

$-\,^4\!/_6 E + 19 - \,^2\!/_6 E + 11$

7. $-\,^6\!/_6\mathbf{E\text{+}30}$

8) $-(\,-^1\!/_3 B + 11\,) - (\,^2\!/_3 B - 20\,)$

$^1\!/_3 B - 11 - \,^2\!/_3 B + 20$

8. $-\,^1\!/_3\mathbf{B\text{+}9}$

9) $-(\,^8\!/_{10} Q - 19\,) + (\,^3\!/_5 Q + 17\,)$

$-\,^8\!/_{10} Q + 19 + \,^6\!/_{10} Q + 17$

9. $-\,^2\!/_{10}\mathbf{Q\text{-}2}$

10) $(\,^2\!/_9 Y - 9\,) - (\,^7\!/_9 Y - 11\,)$

$^2\!/_9 Y - 9 - \,^7\!/_9 Y + 11$

10. $-\,^5\!/_9\mathbf{Y\text{+}2}$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Rewrite each expression in its simplest form.

1) $(\frac{1}{4}A + 18) - (\frac{8}{16}A + 6)$

2) $(\frac{3}{6}N - 17) - (\frac{8}{24}N + 9)$

3) $(\frac{8}{12}H - 20) - (\frac{1}{3}H - 13)$

4) $-(\frac{8}{9}Q + 4) + (\frac{7}{9}Q + 11)$

5) $-(\frac{2}{6}M - 20) + (\frac{16}{24}M + 18)$

6) $-(\frac{6}{18}B - 6) - (\frac{6}{9}B + 11)$

7) $-(\frac{3}{6}E - 16) - (\frac{16}{24}E - 4)$

8) $-(-\frac{2}{5}F + 6) - (\frac{16}{20}F - 11)$

9) $(\frac{3}{9}R + 9) - (\frac{2}{3}R + 4)$

10) $-(\frac{2}{10}Z - 3) + (\frac{2}{5}Z + 11)$
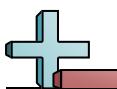
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

Name:

Rewrite each expression in its simplest form.

Answers

1) $(\frac{1}{4}A + 18) - (\frac{8}{16}A + 6)$
$\frac{4}{16}A + 18 - \frac{8}{16}A - 6$

1. $-\frac{4}{16}A+12$

2) $(\frac{3}{6}N - 17) - (\frac{8}{24}N + 9)$
$\frac{12}{24}N - 17 - \frac{8}{24}N - 9$

2. $\frac{4}{24}N-26$

3) $(\frac{8}{12}H - 20) - (\frac{1}{3}H - 13)$
$\frac{8}{12}H - 20 - \frac{4}{12}H + 13$

3. $\frac{4}{12}H-7$

4) $-(\frac{8}{9}Q + 4) + (\frac{7}{9}Q + 11)$
$-\frac{8}{9}Q - 4 + \frac{7}{9}Q + 11$

4. $-\frac{1}{9}Q+7$

5) $-(\frac{2}{6}M - 20) + (\frac{16}{24}M + 18)$
$-\frac{8}{24}M + 20 + \frac{16}{24}M + 18$

5. $\frac{8}{24}M-2$

6) $-(\frac{6}{18}B - 6) - (\frac{6}{9}B + 11)$
$-\frac{6}{18}B + 6 - \frac{12}{18}B - 11$

6. $-\frac{18}{18}B-5$

7) $-(\frac{3}{6}E - 16) - (\frac{16}{24}E - 4)$
$-\frac{12}{24}E + 16 - \frac{16}{24}E + 4$

7. $-\frac{28}{24}E+20$

8) $-(-\frac{2}{5}F + 6) - (\frac{16}{20}F - 11)$
$\frac{8}{20}F - 6 - \frac{16}{20}F + 11$

8. $-\frac{8}{20}F+5$

9) $(\frac{3}{9}R + 9) - (\frac{2}{3}R + 4)$
$\frac{3}{9}R + 9 - \frac{6}{9}R - 4$

9. $-\frac{3}{9}R+5$

10) $-(\frac{2}{10}Z - 3) + (\frac{2}{5}Z + 11)$
$-\frac{2}{10}Z + 3 + \frac{4}{10}Z + 11$

10. $\frac{2}{10}Z+8$

Math

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Rewrite each expression in its simplest form.

1) $(\frac{1}{4}Y + 2) - (\frac{2}{4}Y + 4)$

1. _____

2. _____

2) $(\frac{1}{3}H - 3) - (\frac{2}{3}H + 8)$

3. _____

4. _____

3) $(\frac{4}{9}B - 8) - (\frac{2}{9}B - 7)$

5. _____

6. _____

4) $-(\frac{2}{10}Z + 11) + (\frac{20}{50}Z + 12)$

7. _____

8. _____

5) $-(\frac{4}{9}R - 9) + (\frac{2}{9}R + 18)$
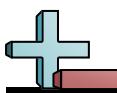
9. _____

10. _____

6) $-(\frac{1}{10}M - 14) - (\frac{12}{40}M + 3)$

7) $-(\frac{1}{5}E - 4) - (\frac{4}{5}E - 17)$

8) $-(-\frac{5}{6}V + 11) - (\frac{9}{18}V - 19)$

9) $-(\frac{1}{4}X + 13) + (\frac{3}{4}X + 4)$

10) $-(\frac{3}{5}P - 3) - (\frac{4}{5}P - 4)$

Name: **Answer Key**

Rewrite each expression in its simplest form.

Answers

1) $\left(\frac{1}{4}Y + 2\right) - \left(\frac{2}{4}Y + 4\right)$

$\frac{1}{4}Y + 2 - \frac{2}{4}Y - 4$

1. $-\frac{1}{4}Y - 2$

2) $\left(\frac{1}{3}H - 3\right) - \left(\frac{2}{3}H + 8\right)$

$\frac{1}{3}H - 3 - \frac{2}{3}H - 8$

2. $-\frac{1}{3}H - 11$

3) $\left(\frac{4}{9}B - 8\right) - \left(\frac{2}{9}B - 7\right)$

$\frac{4}{9}B - 8 - \frac{2}{9}B + 7$

3. $\frac{2}{9}B - 1$

4) $-\left(\frac{2}{10}Z + 11\right) + \left(\frac{20}{50}Z + 12\right)$

$-\frac{10}{50}Z - 11 + \frac{20}{50}Z + 12$

4. $\frac{10}{50}Z + 1$

5) $-\left(\frac{4}{9}R - 9\right) + \left(\frac{2}{9}R + 18\right)$

$-\frac{4}{9}R + 9 + \frac{2}{9}R + 18$

5. $-\frac{2}{9}R + 9$

6) $-\left(\frac{1}{10}M - 14\right) - \left(\frac{12}{40}M + 3\right)$

$-\frac{4}{40}M + 14 - \frac{12}{40}M - 3$

6. $-\frac{16}{40}M + 11$

7) $-\left(\frac{1}{5}E - 4\right) - \left(\frac{4}{5}E - 17\right)$

$-\frac{1}{5}E + 4 - \frac{4}{5}E + 17$

7. $-\frac{5}{5}E + 21$

8) $-\left(-\frac{5}{6}V + 11\right) - \left(\frac{9}{18}V - 19\right)$

$\frac{15}{18}V - 11 - \frac{9}{18}V + 19$

8. $\frac{6}{18}V + 8$

9) $-\left(\frac{1}{4}X + 13\right) + \left(\frac{3}{4}X + 4\right)$

$-\frac{1}{4}X - 13 + \frac{3}{4}X + 4$

9. $\frac{2}{4}X - 9$

10) $-\left(\frac{3}{5}P - 3\right) - \left(\frac{4}{5}P - 4\right)$

$-\frac{3}{5}P + 3 - \frac{4}{5}P + 4$

10. $-\frac{7}{5}P + 7$

1-10	90	80	70	60	50	40	30	20	10	0

Name:

Rewrite each expression in its simplest form.

1) $(\frac{5}{40}N + 17) - (\frac{7}{8}N + 16)$

1. _____

2. _____

2) $(\frac{32}{40}E - 11) - (\frac{6}{10}E + 13)$

3. _____

4. _____

3) $(\frac{5}{8}G - 13) - (\frac{10}{40}G - 11)$

5. _____

6. _____

4) $-(\frac{5}{8}A + 15) + (\frac{30}{40}A + 9)$

7. _____

8. _____

5) $-(\frac{4}{20}Y - 13) + (\frac{4}{5}Y + 20)$

9. _____

10. _____

6) $-(\frac{3}{6}D - 3) - (\frac{8}{24}D + 2)$

7) $-(\frac{7}{9}Q - 5) - (\frac{30}{45}Q - 7)$

8) $-(-\frac{8}{10}Z + 8) - (\frac{28}{40}Z - 17)$

9) $-(\frac{3}{5}B - 19) - (\frac{4}{10}B + 20)$

10) $-(\frac{6}{12}R - 17) - (\frac{3}{4}R + 12)$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Rewrite each expression in its simplest form.

Answers

1) $(\,^5/_{40}N + 17\,) - (\,^7/_8N + 16\,)$
$^5/_{40}N + 17 - \,^{35}/_{40}N - 16$

1. $-^{30}/_{40}N+1$

2) $(\,^{32}/_{40}E - 11\,) - (\,^6/_{10}E + 13\,)$
$^{32}/_{40}E - 11 - \,^{24}/_{40}E - 13$

2. $^8/_{40}E-24$

3) $(\,^5/_8G - 13\,) - (\,^{10}/_{40}G - 11\,)$
$^{25}/_{40}G - 13 - \,^{10}/_{40}G + 11$

3. $^{15}/_{40}G-2$

4) $-(\,^5/_8A + 15\,) + (\,^{30}/_{40}A + 9\,)$
$-^{25}/_{40}A - 15 + \,^{30}/_{40}A + 9$

4. $^5/_{40}A-6$

5) $-(\,^4/_{20}Y - 13\,) + (\,^4/_5Y + 20\,)$
$-^4/_{20}Y + 13 + \,^{16}/_{20}Y + 20$

5. $^{12}/_{20}Y+7$

6) $-(\,^3/_6D - 3\,) - (\,^8/_{24}D + 2\,)$
$-^{12}/_{24}D + 3 - \,^8/_{24}D - 2$

6. $-^{20}/_{24}D+1$

7) $-(\,^7/_9Q - 5\,) - (\,^{30}/_{45}Q - 7\,)$
$-^{35}/_{45}Q + 5 - \,^{30}/_{45}Q + 7$

7. $-^{65}/_{45}Q+12$

8) $-(\,-^8/_{10}Z + 8\,) - (\,^{28}/_{40}Z - 17\,)$
$^{32}/_{40}Z - 8 - \,^{28}/_{40}Z + 17$

8. $^4/_{40}Z+9$

9) $-(\,^3/_5B - 19\,) - (\,^4/_{10}B + 20\,)$
$-^6/_{10}B + 19 - \,^4/_{10}B - 20$

9. $-^{10}/_{10}B-1$

10) $-(\,^6/_{12}R - 17\,) - (\,^3/_4R + 12\,)$
$-^6/_{12}R + 17 - \,^9/_{12}R - 12$

10. $-^{15}/_{12}R+5$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Rewrite each expression in its simplest form.

1) $(^6\!/_{16}Q + 5) - (^6\!/_8Q + 20)$

1. _____

2. _____

2) $(^4\!/_9P - 19) - (^{10}\!/_{18}P + 2)$

3. _____

4. _____

3) $(^1\!/_3H - 5) - (^2\!/_3H - 6)$

5. _____

6. _____

4) $-(^1\!/_3C + 15) + (^2\!/_3C + 2)$

7. _____

8. _____

5) $-(^1\!/_3Y - 13) + (^8\!/_{12}Y + 7)$

9. _____

10. _____

6) $-(^6\!/_{12}K - 5) - (^1\!/_6K + 10)$

7) $-(^2\!/_{16}A - 15) - (^6\!/_8A - 8)$

8) $-(-^2\!/_9Z + 18) - (^5\!/_9Z - 4)$

9) $(^6\!/_9D - 3) - (^1\!/_3D + 7)$

10) $(^6\!/_9B + 11) + (^4\!/_9B + 14)$

Rewrite each expression in its simplest form.

1) $(\,^6/_{16}Q + 5\,) - (\,^6/_8Q + 20\,)$
$^6/_{16}Q + 5 - {}^{12}/_{16}Q - 20$

1. $-^6/_{16}Q\text{-}15$

2) $(\,^4/_9P - 19\,) - (\,^{10}/_{18}P + 2\,)$
$^8/_{18}P - 19 - {}^{10}/_{18}P - 2$

2. $-^2/_{18}P\text{-}21$

3) $(\,^1/_3H - 5\,) - (\,^2/_3H - 6\,)$
$^1/_3H - 5 - {}^2/_3H + 6$

3. $-^1/_3H\text{+}1$

4) $-(\,^1/_3C + 15\,) + (\,^2/_3C + 2\,)$
$-^1/_3C - 15 + {}^2/_3C + 2$

4. $^1/_3C\text{-}13$

5) $-(\,^1/_3Y - 13\,) + (\,^8/_{12}Y + 7\,)$
$-^4/_{12}Y + 13 + {}^8/_{12}Y + 7$

5. $^4/_{12}Y\text{-}6$

6) $-(\,^6/_{12}K - 5\,) - (\,^1/_6K + 10\,)$
$-^6/_{12}K + 5 - {}^2/_{12}K - 10$

6. $-^8/_{12}K\text{-}5$

7) $-(\,^2/_{16}A - 15\,) - (\,^6/_8A - 8\,)$
$-^2/_{16}A + 15 - {}^{12}/_{16}A + 8$

7. $-^{14}/_{16}A\text{+}23$

8) $-(\,-^2/_9Z + 18\,) - (\,^5/_9Z - 4\,)$
$^2/_9Z - 18 - {}^5/_9Z + 4$

8. $-^3/_9Z\text{-}14$

9) $(\,^6/_9D - 3\,) - (\,^1/_3D + 7\,)$
$^6/_9D - 3 - {}^3/_9D - 7$

9. $^3/_9D\text{-}10$

10) $(\,^6/_9B + 11\,) + (\,^4/_9B + 14\,)$
$^6/_9B + 11 + {}^4/_9B + 14$

10. $^{10}/_9B\text{+}25$

Name:

Rewrite each expression in its simplest form.

1) $(\frac{3}{10}R + 10) - (\frac{4}{10}R + 14)$

1. _____

2. _____

2) $(\frac{1}{6}G - 17) - (\frac{9}{18}G + 10)$

3. _____

4. _____

3) $(\frac{10}{15}W - 8) - (\frac{1}{3}W - 14)$

5. _____

6. _____

4) $-(\frac{2}{6}C + 20) + (\frac{2}{3}C + 20)$

7. _____

8. _____

5) $-(\frac{7}{10}N - 16) + (\frac{5}{10}N + 4)$
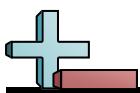
9. _____

10. _____

6) $-(\frac{30}{50}E - 17) - (\frac{8}{10}E + 6)$

7) $-(\frac{6}{10}T - 4) - (\frac{4}{5}T - 11)$

8) $-(-\frac{8}{9}K + 11) - (\frac{8}{36}K - 10)$

9) $(\frac{20}{24}Y - 4) - (\frac{2}{6}Y - 16)$

10) $-(\frac{15}{35}D - 15) - (\frac{6}{7}D + 5)$

Name:

Rewrite each expression in its simplest form.

1) $(\,{}^{3}\!/_{10}R + 10\,) - (\,{}^{4}\!/_{10}R + 14\,)$

   ${}^{3}\!/_{10}R + 10 - {}^{4}\!/_{10}R - 14$

1. $-{}^{1}\!/_{10}R\text{-}4$

2) $(\,{}^{1}\!/_{6}G - 17\,) - (\,{}^{9}\!/_{18}G + 10\,)$

   ${}^{3}\!/_{18}G - 17 - {}^{9}\!/_{18}G - 10$

2. $-{}^{6}\!/_{18}G\text{-}27$

3) $(\,{}^{10}\!/_{15}W - 8\,) - (\,{}^{1}\!/_{3}W - 14\,)$

   ${}^{10}\!/_{15}W - 8 - {}^{5}\!/_{15}W + 14$

3. ${}^{5}\!/_{15}W\text{+}6$

4) $-(\,{}^{2}\!/_{6}C + 20\,) + (\,{}^{2}\!/_{3}C + 20\,)$

   $-{}^{2}\!/_{6}C - 20 + {}^{4}\!/_{6}C + 20$

4. ${}^{2}\!/_{6}C\text{+}0$

5) $-(\,{}^{7}\!/_{10}N - 16\,) + (\,{}^{5}\!/_{10}N + 4\,)$

   $-{}^{7}\!/_{10}N + 16 + {}^{5}\!/_{10}N + 4$

5. $-{}^{2}\!/_{10}N\text{-}12$

6) $-(\,{}^{30}\!/_{50}E - 17\,) - (\,{}^{8}\!/_{10}E + 6\,)$

   $-{}^{30}\!/_{50}E + 17 - {}^{40}\!/_{50}E - 6$

6. $-{}^{70}\!/_{50}E\text{+}11$

7) $-(\,{}^{6}\!/_{10}T - 4\,) - (\,{}^{4}\!/_{5}T - 11\,)$

   $-{}^{6}\!/_{10}T + 4 - {}^{8}\!/_{10}T + 11$

7. $-{}^{14}\!/_{10}T\text{+}15$

8) $-(\,-{}^{8}\!/_{9}K + 11\,) - (\,{}^{8}\!/_{36}K - 10\,)$

   ${}^{32}\!/_{36}K - 11 - {}^{8}\!/_{36}K + 10$

8. ${}^{24}\!/_{36}K\text{-}1$

9) $(\,{}^{20}\!/_{24}Y - 4\,) - (\,{}^{2}\!/_{6}Y - 16\,)$

   ${}^{20}\!/_{24}Y - 4 - {}^{8}\!/_{24}Y + 16$

9. ${}^{12}\!/_{24}Y\text{+}12$

10) $-(\,{}^{15}\!/_{35}D - 15\,) - (\,{}^{6}\!/_{7}D + 5\,)$

   $-{}^{15}\!/_{35}D + 15 - {}^{30}\!/_{35}D - 5$

10. $-{}^{45}\!/_{35}D\text{+}10$

Rewrite each expression in its simplest form.

1) $(\frac{4}{10}D + 17) - (\frac{8}{10}D + 8)$

1. _____

2. _____

2) $(\frac{2}{10}X - 14) - (\frac{9}{30}X + 4)$

3. _____

4. _____

3) $(\frac{2}{7}B - 3) - (\frac{6}{7}B - 18)$

5. _____

6. _____

4) $-(\frac{12}{36}E + 17) + (\frac{6}{9}E + 4)$

7. _____

8. _____

5) $-(\frac{10}{30}W - 17) + (\frac{1}{6}W + 19)$
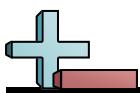
9. _____

10. _____

6) $-(\frac{1}{5}K - 13) - (\frac{8}{20}K + 6)$

7) $-(\frac{12}{32}Z - 7) - (\frac{4}{8}Z - 3)$

8) $-(-\frac{1}{4}R + 12) - (\frac{9}{12}R - 5)$

9) $-(-\frac{2}{6}C + 5) - (\frac{5}{6}C - 8)$

10) $-(-\frac{2}{4}M + 20) - (\frac{3}{4}M - 6)$

Name:

Rewrite each expression in its simplest form.

Answers

1) $(\frac{4}{10}D + 17) - (\frac{8}{10}D + 8)$

$\frac{4}{10}D + 17 - \frac{8}{10}D - 8$

1. $-\frac{4}{10}D+9$

2) $(\frac{2}{10}X - 14) - (\frac{9}{30}X + 4)$

$\frac{6}{30}X - 14 - \frac{9}{30}X - 4$

2. $-\frac{3}{30}X-18$

3) $(\frac{2}{7}B - 3) - (\frac{6}{7}B - 18)$

$\frac{2}{7}B - 3 - \frac{6}{7}B + 18$

3. $-\frac{4}{7}B+15$

4) $-(\frac{12}{36}E + 17) + (\frac{6}{9}E + 4)$

$-\frac{12}{36}E - 17 + \frac{24}{36}E + 4$

4. $\frac{12}{36}E-13$

5) $-(\frac{10}{30}W - 17) + (\frac{1}{6}W + 19)$

$-\frac{10}{30}W + 17 + \frac{5}{30}W + 19$

5. $-\frac{5}{30}W+2$

6) $-(\frac{1}{5}K - 13) - (\frac{8}{20}K + 6)$

$-\frac{4}{20}K + 13 - \frac{8}{20}K - 6$

6. $-\frac{12}{20}K+7$

7) $-(\frac{12}{32}Z - 7) - (\frac{4}{8}Z - 3)$

$-\frac{12}{32}Z + 7 - \frac{16}{32}Z + 3$

7. $-\frac{28}{32}Z+10$

8) $-(-\frac{1}{4}R + 12) - (\frac{9}{12}R - 5)$

$\frac{3}{12}R - 12 - \frac{9}{12}R + 5$

8. $-\frac{6}{12}R-7$

9) $-(-\frac{2}{6}C + 5) - (\frac{5}{6}C - 8)$

$\frac{2}{6}C - 5 - \frac{5}{6}C + 8$

9. $-\frac{3}{6}C+3$

10) $-(-\frac{2}{4}M + 20) - (\frac{3}{4}M - 6)$

$\frac{2}{4}M - 20 - \frac{3}{4}M + 6$

10. $-\frac{1}{4}M-14$

Math

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Rewrite each expression in its simplest form.

1) $(\frac{12}{15}X + 19) - (\frac{1}{5}X + 16)$

2) $(\frac{1}{4}W - 14) - (\frac{2}{4}W + 12)$

3) $(\frac{6}{24}H - 14) - (\frac{3}{8}H - 5)$

4) $-(\frac{25}{35}D + 13) + (\frac{1}{7}D + 16)$

5) $-(\frac{7}{8}Q - 20) + (\frac{9}{24}Q + 18)$
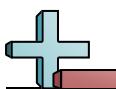
6) $-(\frac{2}{7}F - 14) - (\frac{18}{21}F + 19)$

7) $-(\frac{2}{4}V - 12) - (\frac{2}{8}V - 16)$

8) $-(-\frac{1}{9}E + 12) - (\frac{16}{18}E - 18)$

9) $(\frac{5}{20}A - 13) - (\frac{2}{4}A - 9)$

10) $(\frac{15}{45}T + 11) - (\frac{7}{9}T + 2)$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Name:

Rewrite each expression in its simplest form.

1) $(\frac{12}{15}X + 19) - (\frac{1}{5}X + 16)$

$\frac{12}{15}X + 19 - \frac{3}{15}X - 16$

1. $\frac{9}{15}X+3$

2) $(\frac{1}{4}W - 14) - (\frac{2}{4}W + 12)$

$\frac{1}{4}W - 14 - \frac{2}{4}W - 12$

2. $-\frac{1}{4}W-26$

3) $(\frac{6}{24}H - 14) - (\frac{3}{8}H - 5)$

$\frac{6}{24}H - 14 - \frac{9}{24}H + 5$

3. $-\frac{3}{24}H-9$

4) $-(\frac{25}{35}D + 13) + (\frac{1}{7}D + 16)$

$-\frac{25}{35}D - 13 + \frac{5}{35}D + 16$

4. $-\frac{20}{35}D+3$

5) $-(\frac{7}{8}Q - 20) + (\frac{9}{24}Q + 18)$

$-\frac{21}{24}Q + 20 + \frac{9}{24}Q + 18$

5. $-\frac{12}{24}Q-2$

6) $-(\frac{2}{7}F - 14) - (\frac{18}{21}F + 19)$

$-\frac{6}{21}F + 14 - \frac{18}{21}F - 19$

6. $-\frac{24}{21}F-5$

7) $-(\frac{2}{4}V - 12) - (\frac{2}{8}V - 16)$

$-\frac{4}{8}V + 12 - \frac{2}{8}V + 16$

7. $-\frac{6}{8}V+28$

8) $-(-\frac{1}{9}E + 12) - (\frac{16}{18}E - 18)$

$\frac{2}{18}E - 12 - \frac{16}{18}E + 18$

8. $-\frac{14}{18}E+6$

9) $(\frac{5}{20}A - 13) - (\frac{2}{4}A - 9)$

$\frac{5}{20}A - 13 - \frac{10}{20}A + 9$

9. $-\frac{5}{20}A-4$

10) $(\frac{15}{45}T + 11) - (\frac{7}{9}T + 2)$

$\frac{15}{45}T + 11 - \frac{35}{45}T - 2$

10. $-\frac{20}{45}T+9$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Rewrite each expression in its simplest form.

1) $\left(\frac{7}{8}K + 5\right) - \left(\frac{10}{16}K + 10\right)$

1. _____

2. _____

2) $\left(\frac{16}{32}H - 7\right) - \left(\frac{6}{8}H + 2\right)$

3. _____

4. _____

3) $\left(\frac{1}{10}T - 16\right) - \left(\frac{14}{20}T - 17\right)$

5. _____

6. _____

4) $-\left(\frac{1}{5}Z + 6\right) + \left(\frac{12}{20}Z + 12\right)$

7. _____

8. _____

5) $-\left(\frac{4}{5}R - 12\right) + \left(\frac{10}{25}R + 2\right)$

9. _____

10. _____

6) $-\left(\frac{2}{18}W - 9\right) - \left(\frac{4}{9}W + 20\right)$

7) $-\left(\frac{20}{28}D - 12\right) - \left(\frac{4}{7}D - 3\right)$

8) $-\left(-\frac{1}{5}A + 16\right) - \left(\frac{4}{10}A - 5\right)$

9) $-\left(\frac{5}{9}N - 16\right) - \left(\frac{16}{18}N + 20\right)$

10) $\left(\frac{5}{9}Q + 8\right) - \left(\frac{12}{36}Q + 6\right)$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Rewriting Expressions

Name: **Answer Key**

Rewrite each expression in its simplest form.

Answers

1) $(\frac{7}{8}K + 5) - (\frac{10}{16}K + 10)$
$\frac{14}{16}K + 5 - \frac{10}{16}K - 10$

1. $\frac{4}{16}K - 5$

2) $(\frac{16}{32}H - 7) - (\frac{6}{8}H + 2)$
$\frac{16}{32}H - 7 - \frac{24}{32}H - 2$

2. $-\frac{8}{32}H - 9$

3) $(\frac{1}{10}T - 16) - (\frac{14}{20}T - 17)$
$\frac{2}{20}T - 16 - \frac{14}{20}T + 17$

3. $-\frac{12}{20}T + 1$

4) $-(\frac{1}{5}Z + 6) + (\frac{12}{20}Z + 12)$
$-\frac{4}{20}Z - 6 + \frac{12}{20}Z + 12$

4. $\frac{8}{20}Z + 6$

5) $-(\frac{4}{5}R - 12) + (\frac{10}{25}R + 2)$
$-\frac{20}{25}R + 12 + \frac{10}{25}R + 2$

5. $-\frac{10}{25}R - 10$

6) $-(\frac{2}{18}W - 9) - (\frac{4}{9}W + 20)$
$-\frac{2}{18}W + 9 - \frac{8}{18}W - 20$

6. $-\frac{10}{18}W - 11$

7) $-(\frac{20}{28}D - 12) - (\frac{4}{7}D - 3)$
$-\frac{20}{28}D + 12 - \frac{16}{28}D + 3$

7. $-\frac{36}{28}D + 15$

8) $-(-\frac{1}{5}A + 16) - (\frac{4}{10}A - 5)$
$\frac{2}{10}A - 16 - \frac{4}{10}A + 5$

8. $-\frac{2}{10}A - 11$

9) $-(\frac{5}{9}N - 16) - (\frac{16}{18}N + 20)$
$-\frac{10}{18}N + 16 - \frac{16}{18}N - 20$

9. $-\frac{26}{18}N - 4$

10) $(\frac{5}{9}Q + 8) - (\frac{12}{36}Q + 6)$
$\frac{20}{36}Q + 8 - \frac{12}{36}Q - 6$

10. $\frac{8}{36}Q + 2$

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1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0