

Multiplication and division of rational numbers

1) $\left(\frac{4}{-11}\right) \cdot \left(-\frac{22}{8}\right)$

2) $\frac{x}{2} \div \frac{1}{4y}$

3) Multiply $2\frac{1}{4}$ and $3\frac{1}{2}$.

4) $\frac{11}{2x} \div \left(-\frac{x}{y}\right)$

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

6) $\left(\frac{-2}{3} \times \frac{9}{5}\right) + \left(\frac{2}{3} \times \frac{-6}{7}\right)$



7) $\left(-\frac{2}{3}\right)^2 - \frac{3}{4}\left(2\frac{1}{3}\right)$

8) $-10\frac{2}{7} \div \left(-4\frac{4}{11}\right)$

9) $1\frac{5}{9} \div \left(-\frac{2}{3}\right) + \left(-2\frac{3}{5}\right)$

10) $\left(-1\frac{2}{3}\right)^3$



Answers

1) 1

2) $2xy$

3) $7\frac{7}{8}$

4) $-11y / 2x^2$

5) $-7\frac{13}{24}$

6) $-62/35$

7) $-2\frac{7}{36}$

8) $2\frac{15}{42}$

9) $-4\frac{14}{15}$

10) $-4\frac{17}{27}$