

2.4

Practice

For use after Lesson 2.4

Multiply or divide. Write fractions in simplest form.

1. $\frac{-8}{9} \left(-\frac{18}{25} \right)^2 = +\frac{16}{25}$

2. $-4 \left(\frac{9}{16} \right) 4 = \frac{9}{4}$

$= -2\frac{1}{4}$

3. $-3\frac{3}{7} \times 2\frac{1}{2}$

$\frac{13}{7} \cdot \frac{5}{2} = \frac{-60}{7} = -8\frac{4}{7}$

4. $\frac{-2}{3} \div \frac{5}{9}$

$\frac{-2}{3} \cdot \frac{9}{5} = -\frac{6}{5} = -1\frac{1}{5}$
 K 1st
 F 2nd
 C ÷ to x

5. $\frac{7}{13} \div (-2)$

$\frac{7}{13} \cdot \left(-\frac{1}{2} \right) = -\frac{7}{26}$

6. $-5\frac{5}{8} \div \left(-4\frac{7}{12} \right)$

$-\frac{45}{8} \div \left(-\frac{55}{12} \right) = \frac{9 \cdot 45}{28} \cdot \left(\frac{12}{55} \right)^3 \rightarrow -\frac{9}{2} \cdot \left(-\frac{3}{11} \right) = +\frac{27}{2} = +13\frac{1}{2}$

7. $-1.39 \times (-6.8) = +$

$1.39 \times 6.8 = 9.452$
 3# right of decimal

8. $-10 \div 0.22 = -$

$22 \overline{) 1000} = 45.45$
 1st 2 in the house

9. $-12.166 \div (-1.54) = +7.9$

$154 \overline{) 1216.6} = 7.9$

10. In a game of tug of war, your team changes $-1\frac{3}{10}$ feet in position every 10 seconds. What is your change in position after 30 seconds?

$10 \cdot 3 = 30$
 # of position changes

$-\frac{3}{10} \cdot \frac{3}{1} = -\frac{13}{10} \cdot \frac{3}{1} = -\frac{39}{10} = -3\frac{9}{10} \text{ ft}$