

ALGEBRA 1

1-6 PRACTICE:

MULTIPLYING AND DIVIDING REAL NUMBERS

Name KEY

Find each product.

1. $-8(12) = -96$

2. $-5(-4.1) = 20.5$

3. $-6\left(\frac{1}{4}\right) = -\frac{6}{4}$
 $= -\frac{3}{2}$

4. $\left(-\frac{2}{3}\right)^2 = \left(-\frac{2}{3}\right)\left(-\frac{2}{3}\right)$
 $= \frac{4}{9}$

5. $(-1.2)^2 = (-1.2)(-1.2)$
 $= 1.44$

6. $-\frac{3}{7}\left(-\frac{2}{3}\right) = \frac{2}{7}$

7. $\left(\frac{2}{11}\right)\left(-\frac{11}{2}\right) = -1$

8. $\left(-\frac{5}{6}\right)\left(\frac{18}{5}\right) = -3$

9. $\left(-\frac{3}{2}\right)\left(-\frac{10}{3}\right) = \frac{5}{1}$

10. $48 \div -3 = -16$

11. $\frac{-121}{11} = -11$

12. $-2.4 \div 0.3 = \frac{-2.4}{0.3}$
 $= \frac{-24}{3}$
 $= -8$

13. $-\frac{12}{13} \div \left(-\frac{12}{13}\right)$
 $= -\frac{12}{13} \cdot \left(-\frac{13}{12}\right)$
 $= 1$

14. $-6 \div \frac{3}{4} = -\frac{6}{1} \cdot \frac{4}{3}$
 $= -8$