

Lesson 1.5 Reciprocal Operations

Multiplication and division are reciprocal, or opposite, operations. You can use reciprocal operations to check your answers when you work math problems.

$$15 \times 4 = 60 \qquad 60 \div 15 = 4$$

$$8 \times 7 = 56 \qquad 56 \div 8 = 7$$

Multiply or divide. Use the reciprocal operation to check your answers.

a

1.

$$\begin{array}{r} 392 \\ \times 22 \\ \hline \end{array}$$

b

$$\begin{array}{r} 239 \\ \times 60 \\ \hline \end{array}$$

c

$$\begin{array}{r} 931 \\ \times 77 \\ \hline \end{array}$$

d

$$\begin{array}{r} 496 \\ \times 28 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 193 \\ \times 55 \\ \hline \end{array}$$

$$\begin{array}{r} 529 \\ \times 31 \\ \hline \end{array}$$

$$\begin{array}{r} 695 \\ \times 75 \\ \hline \end{array}$$

$$\begin{array}{r} 972 \\ \times 93 \\ \hline \end{array}$$

3.

$$21 \overline{)2898}$$

$$22 \overline{)7898}$$

$$71 \overline{)5893}$$

$$32 \overline{)4832}$$

4.

$$11 \overline{)3498}$$

$$33 \overline{)5214}$$

$$42 \overline{)4914}$$

$$12 \overline{)8328}$$