

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Cross-canceling Fractions

Cancel common factors before multiplying.

1. $\frac{5}{4} \times \frac{2}{5}$

2. $\frac{2}{10} \times \frac{3}{5}$

3. $\frac{2}{2} \times \frac{7}{10}$

4. $\frac{1}{3} \times \frac{2}{4}$

5. $\frac{2}{4} \times \frac{1}{2}$

6. $\frac{3}{4} \times \frac{3}{10}$

7. $\frac{6}{4} \times \frac{7}{3}$

8. $\frac{1}{2} \times \frac{1}{2}$

9. $\frac{6}{10} \times \frac{6}{2}$

10. $\frac{4}{5} \times \frac{1}{5}$

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Cross-canceling Fractions - Answer key

Cancel common factors before multiplying.

1.

$$\frac{5}{4} \times \frac{2}{5}$$
$$= \frac{1}{2}$$

Cancel common factors:

$$\begin{array}{c} 1 \\ \cancel{5} \\ \hline \cancel{4} \\ 2 \end{array} \times \begin{array}{c} 1 \\ \cancel{2} \\ \hline \cancel{5} \\ 1 \end{array}$$

Cancel 5 and 5 by 5.

Cancel 2 and 4 by 2.

$$5/4 \times 2/5 = 1/2 \times 1$$

$$1/2 \times 1 = 1/2 = 1/2$$

Already in lowest terms: 1/2.

2.

$$\frac{2}{10} \times \frac{3}{5}$$
$$= \frac{3}{25}$$

$$2/10 \times 3/5 = 2/10 \times 3/5$$

$$2/10 \times 3/5 = 6/50 = 3/25$$

Divide both parts by 2: 6/50 = 3/25.

3.

$$\frac{2}{2} \times \frac{7}{10}$$
$$= \frac{7}{10}$$

Cancel common factors:

$$\begin{array}{c} 1 \\ \cancel{2} \\ \hline 2 \end{array} \times \begin{array}{c} 7 \\ \hline \cancel{10} \\ 5 \end{array}$$

Cancel 2 and 10 by 2.

$$2/2 \times 7/10 = 1/2 \times 7/5$$

$$1/2 \times 7/5 = 7/10 = 7/10$$

Already in lowest terms: 7/10.

4.

$$\frac{1}{3} \times \frac{2}{4}$$
$$= \frac{1}{6}$$

$$1/3 \times 2/4 = 1/3 \times 2/4$$

$$1/3 \times 2/4 = 2/12 = 1/6$$

Divide both parts by 2: 2/12 = 1/6.

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Cross-canceling Fractions - Answer key

Cancel common factors before multiplying.

5.

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

Cancel common factors:

$$\overset{1}{\cancel{2}} \frac{}{4} \times \frac{1}{\cancel{2} \overset{1}{}}$$

Cancel 2 and 2 by 2.

$$2/4 \times 1/2 = 1/4 \times 1$$

$$1/4 \times 1 = 1/4 = 1/4$$

Already in lowest terms: 1/4.

6.

$$\frac{3}{4} \times \frac{3}{10}$$
$$= \frac{9}{40}$$

$$3/4 \times 3/10 = 3/4 \times 3/10$$

$$3/4 \times 3/10 = 9/40 = 9/40$$

Already in lowest terms: 9/40.

7.

$$\frac{6}{4} \times \frac{7}{3}$$
$$= \frac{7}{2}$$

Cancel common factors:

$$\overset{2}{\cancel{6}} \frac{}{4} \times \frac{7}{\cancel{3} \overset{1}{}}$$

Cancel 6 and 3 by 3.

$$6/4 \times 7/3 = 2/4 \times 7$$

$$2/4 \times 7 = 14/4 = 7/2$$

Divide both parts by 2: 14/4 = 7/2.

8.

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

$$1/2 \times 1/2 = 1/2 \times 1/2$$

$$1/2 \times 1/2 = 1/4 = 1/4$$

Already in lowest terms: 1/4.

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Cross-canceling Fractions - Answer key

Cancel common factors before multiplying.

9.

$$\frac{6}{10} \times \frac{6}{2} = \frac{9}{5}$$

Cancel common factors:

$$\begin{array}{c} 3 \\ \cancel{6} \\ \hline \cancel{10} \\ 5 \end{array} \times \begin{array}{c} 3 \\ \cancel{6} \\ \hline \cancel{2} \\ 1 \end{array}$$

Cancel 6 and 2 by 2.
Cancel 6 and 10 by 2.
 $6/10 \times 6/2 = 3/5 \times 3$
 $3/5 \times 3 = 9/5 = 9/5$
Already in lowest terms: 9/5.

10.

$$\frac{4}{5} \times \frac{1}{5} = \frac{4}{25}$$

$4/5 \times 1/5 = 4/5 \times 1/5$
 $4/5 \times 1/5 = 4/25 = 4/25$
Already in lowest terms: 4/25.