Review Exercises

1. $\begin{array}{r} \frac{1}{5} \\ +\ \frac{1}{6} \\ \hline \end{array}$

2. $\begin{array}{r} \frac{3}{5} \\ -\ \frac{1}{2} \\ \hline \end{array}$

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

4. $\frac{1}{4} \times 8 =$

Helpful Hints

To find the reciprocal of a common fraction, invert the fraction.

To find the reciprocal of a mixed numeral, first change the mixed number to an improper fraction, then invert it.

To find the reciprocal of a whole number, first make a fraction, then invert it.

Examples

The reciprocal of:

$\frac{3}{5}$ is $\frac{5}{3}$ or $1\frac{2}{3}$

$2\frac{1}{2} = \frac{5}{2}$ is $\frac{2}{5}$

$7 = \frac{7}{1}$ is $\frac{1}{7}$

Find the reciprocals of each number:

S. $\frac{3}{4}$

S. $1\frac{1}{2}$

1. $\frac{1}{3}$

2. $\frac{7}{8}$

3. $1\frac{1}{3}$

4. 12

5. $\frac{2}{5}$

6. $\frac{1}{7}$

7. 5

8. $\frac{2}{3}$

9. $\frac{1}{8}$

10. $3\frac{1}{2}$

Problem Solving

Four boys decided to wash cars to earn money. They washed 12 cars and earned 84 dollars. If they divided it equally, how much did each boy get?

Review Exercises

1. Find the reciprocal of 5.
2. Find the reciprocal of $\frac{2}{3}$.
3. Find the reciprocal of $1\frac{1}{4}$.
4. $\frac{1}{2} \times \frac{2}{3}$

Helpful Hints

To divide fractions, first find the reciprocal of the second number, then multiply the fractions.

Examples:

$\frac{2}{3} \div \frac{1}{2} =$

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

$1\frac{1}{2} \div 2 =$

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

$2\frac{1}{2} \div 1\frac{1}{2} =$

$\frac{5}{2} \div \frac{3}{2} =$

$\frac{5}{\cancel{2}_{1}} \times \frac{\cancel{2}^{1}}{3} = 1\frac{2}{3}$

S. $\frac{1}{2} \div \frac{1}{3}$

S. $2\frac{1}{2} \div 2$

1. $\frac{2}{3} \div \frac{1}{2}$

2. $\frac{3}{5} \div \frac{1}{3}$

3. $\frac{2}{5} \div \frac{1}{2}$

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

5. $3 \div \frac{1}{2}$

6. $1\frac{1}{2} \div \frac{1}{2}$

7. $2\frac{1}{2} \div \frac{1}{2}$

8. $2\frac{1}{6} \div 2$

9. $\frac{2}{7} \div \frac{1}{3}$

10. $5 \div \frac{5}{6}$

Problem Solving

The coach wants a field which is 36 yards long divided into 3 equal sections for a relay race course. How long will each section be?