

Lowest Terms

Fourths, Thirds, Halves

Which fractions are most useful in life? The likely answer is fourths, thirds, and halves.

- $\frac{1}{4}$ is also known as a “quarter” (25%) and is useful for telling time, money, and measuring.
- $\frac{1}{3}$ is known as “thirds” (33.3%) and is useful in photography and baking measurements.
- $\frac{1}{2}$ divides an item into halves (50%) and is useful in construction and sharing.

- To find lowest terms, divide both the numerator and denominator by the greatest common factor.

$$\frac{12}{14} \div \frac{2}{2} = \frac{6}{7}$$

$$\frac{24}{36} \div \frac{12}{12} = \frac{2}{3}$$

$$\frac{100}{120} \div \frac{20}{20} = \frac{5}{6}$$

$$\frac{40}{45} \div \frac{5}{5} = \frac{8}{9}$$

Directions: These are quick, mental math problems. Write each fraction in lowest terms. Then shade the box if the fraction is equivalent to $\frac{1}{4}$, $\frac{1}{3}$, or $\frac{1}{2}$.

How many miles is Russia from the United States?



$\frac{5}{10} =$	$\frac{2}{6} =$	$\frac{2}{8} =$	$\frac{22}{33} =$	$\frac{6}{8} =$	$\frac{6}{12} =$
$\frac{9}{27} =$	$\frac{7}{35} =$	$\frac{25}{50} =$	$\frac{8}{18} =$	$\frac{4}{20} =$	$\frac{5}{20} =$
$\frac{7}{21} =$	$\frac{9}{9} =$	$\frac{3}{12} =$	$\frac{20}{25} =$	$\frac{8}{14} =$	$\frac{6}{18} =$
$\frac{9}{18} =$	$\frac{12}{18} =$	$\frac{3}{9} =$	$\frac{50}{100} =$	$\frac{4}{16} =$	$\frac{9}{36} =$
$\frac{6}{14} =$	$\frac{12}{26} =$	$\frac{15}{20} =$	$\frac{12}{14} =$	$\frac{9}{12} =$	$\frac{10}{15} =$
$\frac{7}{14} =$	$\frac{6}{21} =$	$\frac{2}{10} =$	$\frac{3}{6} =$	$\frac{6}{24} =$	$\frac{8}{16} =$
$\frac{6}{10} =$	$\frac{3}{8} =$	$\frac{7}{9} =$	$\frac{5}{15} =$	$\frac{8}{26} =$	$\frac{5}{25} =$
$\frac{5}{8} =$	$\frac{4}{6} =$	$\frac{4}{7} =$	$\frac{7}{28} =$	$\frac{3}{10} =$	$\frac{2}{9} =$
$\frac{4}{8} =$	$\frac{8}{32} =$	$\frac{8}{24} =$	$\frac{15}{30} =$	$\frac{4}{12} =$	$\frac{2}{4} =$

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How many miles is Russia from the United States? 2.4 miles, Bering Strait, Alaska (Big and Little Diomedes Islands)

$\frac{5}{10} = \frac{1}{2}$	$\frac{2}{6} = \frac{1}{3}$	$\frac{2}{8} = \frac{1}{4}$	$\frac{22}{33} = \frac{2}{3}$	$\frac{6}{8} = \frac{3}{4}$	$\frac{6}{12} = \frac{1}{2}$
$\frac{9}{27} = \frac{1}{3}$	$\frac{7}{35} = \frac{1}{5}$	$\frac{25}{50} = \frac{1}{2}$	$\frac{8}{18} = \frac{4}{9}$	$\frac{4}{20} = \frac{1}{5}$	$\frac{5}{20} = \frac{1}{4}$
$\frac{7}{21} = \frac{1}{3}$	$\frac{9}{9} = 1$	$\frac{3}{12} = \frac{1}{4}$	$\frac{20}{25} = \frac{4}{5}$	$\frac{8}{14} = \frac{4}{7}$	$\frac{6}{18} = \frac{1}{3}$
$\frac{9}{18} = \frac{1}{2}$	$\frac{12}{18} = \frac{2}{3}$	$\frac{3}{9} = \frac{1}{3}$	$\frac{50}{100} = \frac{1}{2}$	$\frac{4}{16} = \frac{1}{4}$	$\frac{9}{36} = \frac{1}{4}$
$\frac{6}{14} = \frac{3}{7}$	$\frac{12}{26} = \frac{6}{13}$	$\frac{15}{20} = \frac{3}{4}$	$\frac{12}{14} = \frac{6}{7}$	$\frac{9}{12} = \frac{3}{4}$	$\frac{10}{15} = \frac{2}{3}$
$\frac{7}{14} = \frac{1}{2}$	$\frac{6}{21} = \frac{2}{7}$	$\frac{2}{10} = \frac{1}{5}$	$\frac{3}{6} = \frac{1}{2}$	$\frac{6}{24} = \frac{1}{4}$	$\frac{8}{16} = \frac{1}{2}$
$\frac{6}{10} = \frac{3}{5}$	$\frac{3}{8} = \frac{3}{8}$	$\frac{7}{9} = \frac{7}{9}$	$\frac{5}{15} = \frac{1}{3}$	$\frac{8}{26} = \frac{4}{13}$	$\frac{5}{25} = \frac{1}{5}$
$\frac{5}{8} = \frac{5}{8}$	$\frac{4}{6} = \frac{2}{3}$	$\frac{4}{7} = \frac{4}{7}$	$\frac{7}{28} = \frac{1}{4}$	$\frac{3}{10} = \frac{3}{10}$	$\frac{2}{9} = \frac{2}{9}$
$\frac{4}{8} = \frac{1}{2}$	$\frac{8}{32} = \frac{1}{4}$	$\frac{8}{24} = \frac{1}{3}$	$\frac{15}{30} = \frac{1}{2}$	$\frac{4}{12} = \frac{1}{3}$	$\frac{2}{4} = \frac{1}{2}$