Name _____

Date _____

# Lowest Terms

*Making Fractions Easier to Use*

**Lowest Terms** - A fraction is lowest terms when the numerator (top) and denominator (bottom) have no common factor other than 1.

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

$\frac{12}{14} \div \frac{2}{2} = \frac{6}{7}$ $\frac{24}{36} \div \frac{12}{12} = \frac{2}{3}$ $\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$ $\frac{40}{45} \div \frac{5}{5} = \frac{8}{9}$

**Directions**: Reduce to lowest terms. Shade the box if the answer is $\frac{2}{3}$. Show work on all problems.

**How many years did it take Leonardo DaVinci to paint the *Mona Lisa*?**

| | | | |
|---|---|---|---|
| $\frac{5}{10} \div \frac{5}{5} = \frac{1}{2}$ | $\frac{12}{16}$ | $\frac{9}{27}$ | $\frac{4}{20}$ |
| $\frac{21}{28}$ | $\frac{6}{9}$ | $\frac{6}{24}$ | $\frac{16}{24}$ |
| $\frac{24}{27}$ | $\frac{8}{12}$ | $\frac{6}{36}$ | $\frac{18}{27}$ |
| $\frac{30}{40}$ | $\frac{12}{18}$ | $\frac{14}{21}$ | $\frac{22}{33}$ |
| $\frac{18}{24}$ | $\frac{9}{36}$ | $\frac{8}{40}$ | $\frac{28}{42}$ |
| $\frac{6}{30}$ | $\frac{27}{36}$ | $\frac{12}{36}$ | $\frac{30}{45}$ |

**Psst...**

If the top and bottom are only one number apart, then it is already lowest terms.

$\frac{4}{5}$ $\frac{12}{13}$ $\frac{4,868}{4,869}$

***Mona Lisa***

(1479-1542)

The world's most famous painting is probably a portrait of Lisa Gherardini, Italian middle-class mother of five children.

*Careful, if both numbers are even, then it can still be divided by at least the number two.*

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ANSWER KEY

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**Directions**: Reduce to lowest terms. Shade the box if the answer is $\frac{2}{3}$. Show work on all problems.

**How many years did it take Leonardo DaVinci to paint the *Mona Lisa*?** 4 years

| | | | |
|---|---|---|---|
| $\frac{5}{10} \div \frac{5}{5} = \frac{1}{2}$ | $\frac{12}{16} \div \frac{4}{4} = \frac{3}{4}$ | $\frac{9}{27} \div \frac{9}{9} = \frac{1}{3}$ | $\frac{4}{20} \div \frac{4}{4} = \frac{1}{5}$ |
| $\frac{21}{28} \div \frac{7}{7} = \frac{3}{4}$ | $\frac{6}{9} \div \frac{3}{3} = \frac{2}{3}$ | $\frac{6}{24} \div \frac{6}{6} = \frac{1}{4}$ | $\frac{16}{24} \div \frac{8}{8} = \frac{2}{3}$ |
| $\frac{24}{27} \div \frac{3}{3} = \frac{8}{9}$ | $\frac{8}{12} \div \frac{4}{4} = \frac{2}{3}$ | $\frac{6}{36} \div \frac{6}{6} = \frac{1}{6}$ | $\frac{18}{27} \div \frac{9}{9} = \frac{2}{3}$ |
| $\frac{30}{40} \div \frac{10}{10} = \frac{3}{4}$ | $\frac{12}{18} \div \frac{6}{6} = \frac{2}{3}$ | $\frac{14}{21} \div \frac{7}{7} = \frac{2}{3}$ | $\frac{22}{33} \div \frac{11}{11} = \frac{2}{3}$ |
| $\frac{18}{24} \div \frac{6}{6} = \frac{3}{4}$ | $\frac{9}{36} \div \frac{9}{9} = \frac{1}{4}$ | $\frac{8}{40} \div \frac{8}{8} = \frac{1}{5}$ | $\frac{28}{42} \div \frac{14}{14} = \frac{2}{3}$ |
| $\frac{6}{30} \div \frac{6}{6} = \frac{1}{5}$ | $\frac{27}{36} \div \frac{9}{9} = \frac{3}{4}$ | $\frac{12}{36} \div \frac{12}{12} = \frac{1}{3}$ | $\frac{30}{45} \div \frac{15}{15} = \frac{2}{3}$ |

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