

Name: _____ Date: _____

Simplifying Fractions

Q1. Write the simplest form of $\frac{80}{24}$

Sol.

Q2. Reduce the fraction $\frac{84}{98}$ to simplest form.

Sol.

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Answers

Simplifying Fractions

Q1. Write the simplest form of :80/24

Sol. HCF of 80 and 24.

| | |
|---|--------|
| 2 | 80, 24 |
| 2 | 40, 12 |
| 2 | 20, 6 |
| | 10, 3 |

HCF of 80 and 24 = $2 \times 2 \times 2 = 8$

Now, divide the top and bottom of the given number by 8.

Therefore,

$$\frac{80}{24} = \frac{80 \div 8}{24 \div 8} = \frac{10}{3}$$

10/3 fraction is in lowest term.

Q2. Reduce the fraction 84/98 to simplest form.

Sol. HCF of 84 and 98.

| | |
|---|--------|
| 2 | 84, 98 |
| 7 | 42, 49 |
| | 6, 7 |

HCF of 84 and 98 = $2 \times 7 = 14$

Now, divide the top and bottom of the given number by 14.

Therefore,

$$\frac{84}{98} = \frac{84 \div 14}{98 \div 14} = \frac{6}{7}$$

6/7 fraction is in lowest term.