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Simplify (reduce) fraction in simplest form

Vocabulary Common factor	Definition * A common factor is a _____ shared between two or more numbers.
How to find it * See page 10 of how to find factors of a number	Example: Find common factors of 12 and 18. Factors of 12: Factors of 18: Common factors of 12 and 18 are:

* A fraction is in **simplest form** if its numerator and denominator **DO NOT** share _____ except 1.
* How to simplify (reduce) a fraction: _____ **the same common factor to both numerator and denominator.**

$$\frac{Numerator \div common\ factor}{Denominator \div common\ factor}$$

Example 1: Simplify $\frac{12}{32}$ in simplest form.

Factor of 12:

Factor of 32:

Example 2: Reduce $\frac{15}{24}$ in simplest form.

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DO NOW!

Simplify each fraction in simplest form.

Ex) $\frac{5}{40} = \frac{1}{8}$

1) $\frac{4}{16} = ___$

2) $\frac{5}{20} = ___$

3) $\frac{6}{9} = ___$

4) $\frac{2}{4} = ___$

5) $\frac{2}{16} = ___$

6) $\frac{24}{32} = ___$

7) $\frac{3}{6} = ___$

8) $\frac{8}{12} = ___$

9) $\frac{15}{24} = ___$

10) $\frac{21}{56} = ___$

11) $\frac{10}{60} = ___$

12) $\frac{49}{56} = ___$

13) $\frac{7}{56} = ___$

14) $\frac{3}{12} = ___$

15) $\frac{5}{15} = ___$

16) $\frac{9}{72} = ___$

17) $\frac{15}{18} = ___$

18) $\frac{20}{32} = ___$

19) $\frac{6}{16} = ___$

20) $\frac{50}{80} = ___$

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