

Name \_\_\_\_\_

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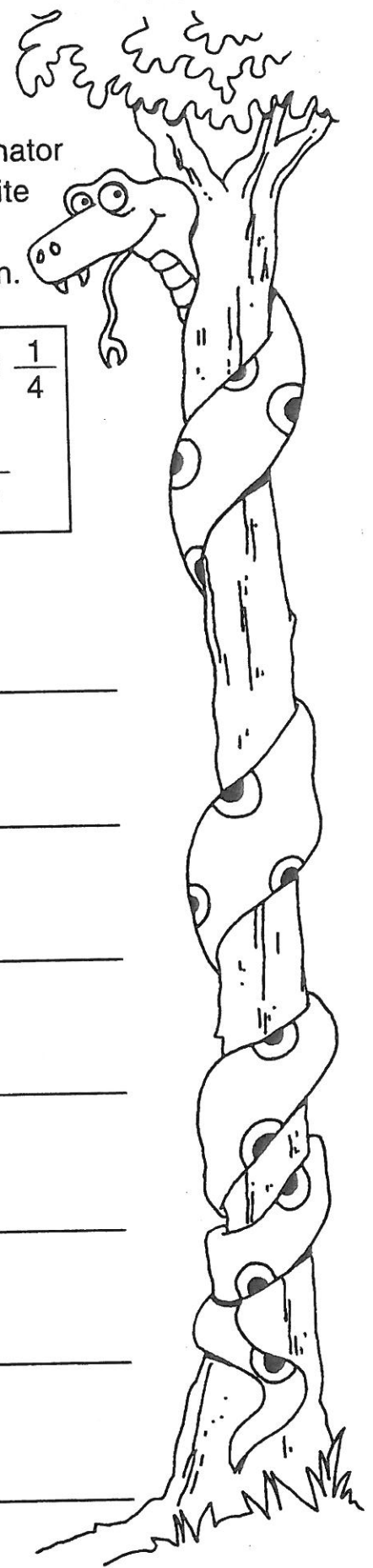
## Simplifying Fractions

Simplify these fractions to lowest terms (if possible). Make sure you have written the fractions correctly before you reduce.

- 1) thirty thirty-fifths
- 2) fourteen twenty-firsts
- 3) twenty thirty-sixths
- 4) eighteen fortieths
- 5) sixteen twentieths
- 6) forty two fiftieths
- 7) seventy-two hundredths
- 8) twenty two thirtieths
- 9) twenty eight fortieths
- 10) thirty six sixtieths
- 11) seventeen twenty-ninths
- 12) twelve twenty-fourths
- 13) fifty sixtieths
- 14) twenty fortieths
- 15) nineteen thirty-sixths
- 16) twenty four fortieths
- 17) fifteen twentieths
- 18) thirty forty-seconds
- 19) fourteen sixteenths
- 20) fifty-two seventy-seconds

# S-s-s-implest Form

A fraction is in **simplest form** when the numerator and denominator have 1 as their only common factor. Use division to help you write fractions in simplest form. Fractions greater than 1 should be written as a mixed number with the fraction part in simplest form.



$$\frac{12}{30} \rightarrow \frac{12 \div 6}{30 \div 6} = \frac{2}{5}$$

$$\frac{12}{30} \text{ in simplest form is } \frac{2}{5}$$

$$\frac{10}{8} \rightarrow \frac{10 \div 2}{8 \div 2} = \frac{5}{4} = 1 \frac{1}{4}$$

$$\frac{10}{8} \text{ in simplest form is } 1 \frac{1}{4}$$

Write each fraction in simplest form.

A.  $\frac{8}{30}$  \_\_\_\_\_  $\frac{5}{35}$  \_\_\_\_\_  $\frac{14}{21}$  \_\_\_\_\_

B.  $\frac{10}{4}$  \_\_\_\_\_  $\frac{8}{16}$  \_\_\_\_\_  $\frac{8}{6}$  \_\_\_\_\_

C.  $\frac{24}{30}$  \_\_\_\_\_  $\frac{16}{24}$  \_\_\_\_\_  $\frac{21}{9}$  \_\_\_\_\_

D.  $\frac{20}{32}$  \_\_\_\_\_  $\frac{21}{49}$  \_\_\_\_\_  $\frac{16}{20}$  \_\_\_\_\_

E.  $\frac{10}{32}$  \_\_\_\_\_  $\frac{9}{15}$  \_\_\_\_\_  $\frac{25}{15}$  \_\_\_\_\_

F.  $\frac{20}{8}$  \_\_\_\_\_  $\frac{35}{20}$  \_\_\_\_\_  $\frac{32}{48}$  \_\_\_\_\_

G.  $\frac{16}{28}$  \_\_\_\_\_  $\frac{24}{27}$  \_\_\_\_\_  $\frac{26}{4}$  \_\_\_\_\_