

October 31, 2012

Math Bowl – Fractions – equivalent, greatest common factor, simplify

1. Four of these fractions are equal. Which one is not?

a. $\frac{21}{28}$

b. $\frac{99}{132}$

c. $\frac{270}{320}$

d. $\frac{18}{24}$

e. $\frac{72}{96}$

Name: _____

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Date: 10/31/12

Greatest Common Factor Worksheets

27, 21 = _____ 6, 27 = _____ 30, 20 = _____

35, 40 = _____ 20, 12 = _____ 21, 24 = _____

12, 54 = _____ 20, 15 = _____ 42, 48 = _____

36, 84 = _____ 27, 6 = _____ 40, 36 = _____

Find Least Common Multiple (LCM) for each number set.

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Find Least Common Multiple (LCM) for each number set.

1) 10 and 5 =

lcm: _____

2) 6 and 10 =

lcm: _____

3) 4 and 5 =

lcm: _____

4) 5 and 20 =

lcm: _____

5) 7 and 5 =

lcm: _____

6) 4 and 12 =

lcm: _____

7) 20 and 3 =

lcm: _____

8) 3 and 2 =

lcm: _____

9) 6 and 4 =

lcm: _____

10) 2 and 4 =

lcm: _____

Reducing Fractions

Reduce each fraction to lowest terms.

$$\frac{4}{18} = \frac{\quad}{\quad}$$

$$\frac{35}{50} = \frac{\quad}{\quad}$$

$$\frac{4}{6} = \frac{\quad}{\quad}$$

$$\frac{28}{48} = \frac{\quad}{\quad}$$

$$\frac{40}{50} = \frac{\quad}{\quad}$$

$$\frac{4}{16} = \frac{\quad}{\quad}$$

$$\frac{22}{44} = \frac{\quad}{\quad}$$

$$\frac{12}{36} = \frac{\quad}{\quad}$$

$$\frac{6}{9} = \frac{\quad}{\quad}$$

$$\frac{42}{48} = \frac{\quad}{\quad}$$

$$\frac{11}{33} = \frac{\quad}{\quad}$$

$$\frac{10}{12} = \frac{\quad}{\quad}$$

$$\frac{21}{30} = \frac{\quad}{\quad}$$

$$\frac{27}{36} = \frac{\quad}{\quad}$$

$$\frac{10}{16} = \frac{\quad}{\quad}$$

$$\frac{3}{12} = \frac{\quad}{\quad}$$

Fraction Worksheet 11

Find the missing number in these equivalent fractions

1a. $\frac{4}{\quad} = \frac{20}{5}$

1b. $\frac{32}{\quad} = \frac{4}{1}$

2a. $\frac{\quad}{12} = \frac{3}{4}$

2b. $\frac{55}{\quad} = \frac{11}{2}$

3a. $\frac{\quad}{1} = \frac{60}{5}$

3b. $\frac{1}{\quad} = \frac{8}{8}$

4a. $\frac{40}{8} = \frac{\quad}{1}$

4b. $\frac{52}{13} = \frac{4}{\quad}$

5a. $\frac{\quad}{6} = \frac{38}{12}$

5b. $\frac{15}{10} = \frac{\quad}{2}$