

Worksheet

2/14/19

Name: _____ Grade: _____

1)

Calculate the result.

Quick:
6408

a) $\frac{1}{36} + \frac{43}{72}$ | convert to like quantities (lcm): 72

$= \frac{2}{72} + \frac{43}{72}$ | add numerators

$= \frac{45}{72}$ | reduce

$= \frac{5}{8}$

b) $\frac{17}{40} + \frac{19}{40}$ | convert to like quantities (lcm): 40

$= \frac{17}{40} + \frac{19}{40}$ | add numerators

$= \frac{36}{40}$ | reduce

$= \frac{9}{10}$

c) $\frac{16}{33} + \frac{16}{99}$ | convert to like quantities (lcm): 99

$= \frac{48}{99} + \frac{16}{99}$ | add numerators

$= \frac{64}{99}$

2)

Convert the fraction given to a decimal fraction (Hint: Reduce and expand as necessary).

Quick:
9045

a) $\frac{535}{1000} = 0.535$

b) $\frac{283}{10000} = 0.0283$

c) $\frac{613}{1000} = 0.613$

d) $\frac{36}{60} = 0.6$

3)

Calculate the result and reduce it to lowest terms.

Quick:
5220

a) $\frac{2}{87} \div 18 = \frac{2}{1566} = \frac{1}{783}$

b) $\frac{67}{94} \div 11 = \frac{67}{1034} = \frac{67}{1034}$

c) $\frac{89}{90} \div 39 = \frac{89}{3510} = \frac{89}{3510}$

4)

What other fraction has the fraction been multiplied with? Fill in the blank space.

Quick:
7056

a) $\frac{56}{97} \cdot \frac{13}{19} = \frac{728}{1843}$

b) $\frac{10}{83} \cdot \frac{3}{37} = \frac{30}{3071}$

c) $\frac{7}{97} \cdot \frac{26}{97} = \frac{182}{9409}$

5)

Insert the missing numbers.

Quick:
6652

a) $\frac{9}{14} = \frac{27}{42}$

b) $\frac{2}{13} = \frac{6}{39}$

c) $\frac{7}{8} = \frac{21}{24}$

6)

Insert <, > or =.

Quick:
1433

a) $\frac{1}{4} < \frac{23}{24}$, da $\frac{6}{24} < \frac{23}{24}$

b) $\frac{8}{19} > \frac{1}{5}$, da $\frac{40}{95} > \frac{19}{95}$

c) $\frac{14}{33} > \frac{2}{11}$, da $\frac{14}{33} > \frac{6}{33}$

7)

Calculate the result and reduce it to lowest terms.

Quick:
7650

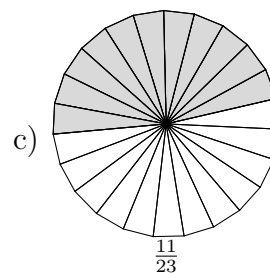
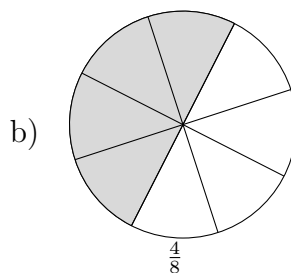
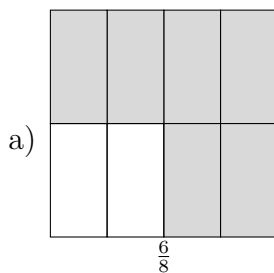
a) $2 \cdot \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$

b) $7 \cdot \frac{2}{17} = \frac{14}{17} = \frac{14}{17}$

c) $7 \cdot \frac{1}{14} = \frac{7}{14} = \frac{1}{2}$

8)

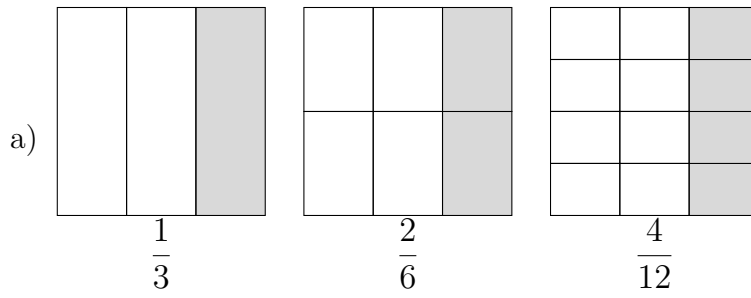
Shade the indicated part of the shape.

Quick:
8211

9)

Quick:
5247

Shade the indicated portion of each shape.



Good Luck!