Name_____ Period____ Date_____

# Unit 1 Review (Thus Far)

1. Find the least common multiple by listing multiples.
    a. 12 and 16

    b. 4 and 5

    c. 9 and 24

    d. 8 and 6

    e. 10 and 25

2. Find the greatest common factor by listing ALL the factors.
    a. 90 and 56

    b. 30 and 18

    c. 24 and 48

    d. 60 and 24

    e. 35 and 28

3. Use the distributive property to rewrite the problem as the sum of two values.
    a. 5(10+9)

    b. 4(6+8)

    c. 2(20-15)

    d. 9(9+7)

    e. 6(7-4)

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4. Use the distributive property to rewrite the problem as the sum of two values.
    a. 3(6x+9y)

    b. 4(2a+6b)

    c. 7(3b-9c)

    d. 5(6a-9b)

    e. 8(5h-9g)

5. Use the distributive property to factor out the greatest common factor
    a.
    b. 63+81

    c. 12+16

    d. 24+40

6. Use the distributive property to factor out the greatest common factor
    a. 45x+36

    b. 60b-50a

    c. 24c+48k

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7. Add/Subtract the fractions

EXAMPLE:

To add...

$$\frac{1}{5} + \frac{2}{5}$$

Just add up the numerators

$$\frac{1}{5} = \frac{2}{5} = \frac{1+2}{5} = \frac{3}{5}$$

a. $\frac{3}{4} - \frac{2}{4}$

b. $\frac{1}{9} + \frac{5}{9}$

c. $\frac{1}{2} + \frac{3}{2}$

d. $\frac{7}{10} - \frac{1}{10}$

8. Add/Subtract the fractions

EXAMPLE:

$$\frac{1}{6} + \frac{2}{9}$$

$$\frac{3 \cdot 1}{3 \cdot 6} + \frac{2 \cdot 2}{9 \cdot 2}$$

Rewrite with a common denominator.
Multiples of 6: 6, 12, 18, 24 . . .
Multiplies of 9: 9, 18 . . .

$$\frac{3}{18} + \frac{4}{18}$$

Add the fractions (add the numerators, the denominator stays the same).

$$\boxed{\frac{7}{18}}$$

a. $\frac{2}{3} + \frac{5}{7}$

b. $\frac{1}{4} + \frac{3}{5}$

c. $\frac{7}{10} + \frac{3}{8}$

d. $\frac{5}{9} + \frac{2}{3}$

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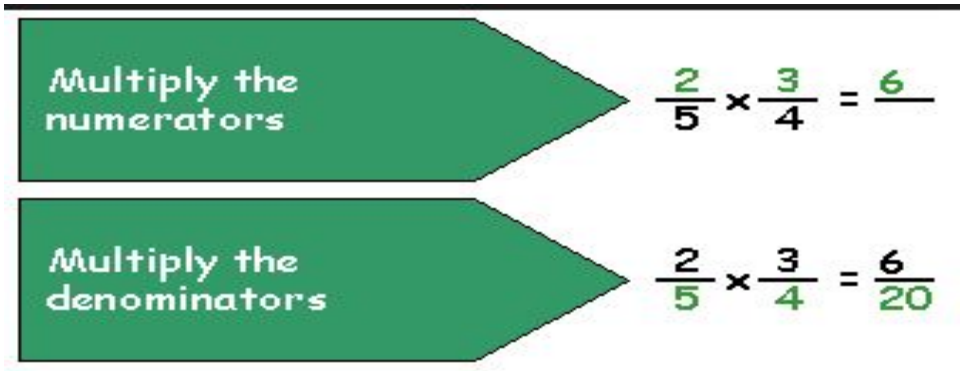
9. Multiply the fractions

EXAMPLE:



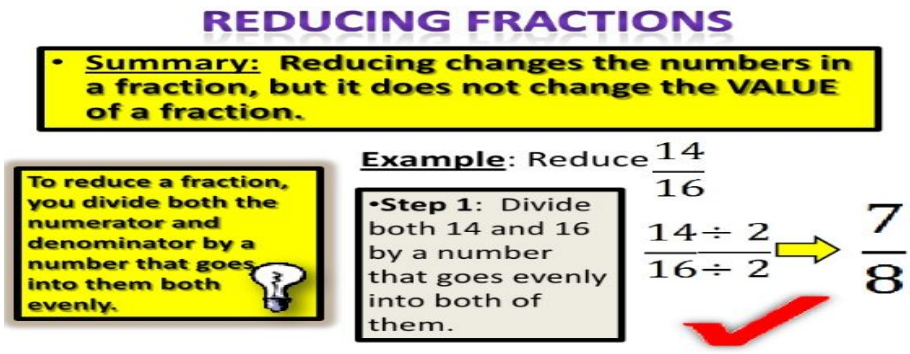

a. $\frac{7}{9} \times \frac{1}{3}$

b. $\frac{2}{5} \times \frac{3}{4}$

c. $\frac{5}{4} \times \frac{1}{2}$

d. $\frac{8}{11} \times \frac{2}{3}$

10. Reduce the fractions




a. $\frac{10}{20}$

b. $\frac{16}{24}$

c. $\frac{75}{100}$

d. $\frac{12}{60}$

e. $\frac{16}{18}$

f. $\frac{14}{42}$

g. $\frac{25}{70}$

h. $\frac{36}{40}$