Practice 3.1, 3.2, 3.3

Name_____

Add and simplify.

1) $\dfrac{4}{9} + \dfrac{2}{9}$

Subtract and simplify.

2) $\dfrac{25}{42} - \dfrac{7}{42}$

Find the least common multiple (LCM) of the list of numbers.

3) $9, 6$

4) $7, 14, 21, 36$

Write the fraction as an equivalent fraction with the given denominator.

5) $\dfrac{2}{3} = \dfrac{}{27}$

Simplify.

6) $\dfrac{2}{7} + \dfrac{1}{9}$

Subtract and simplify.

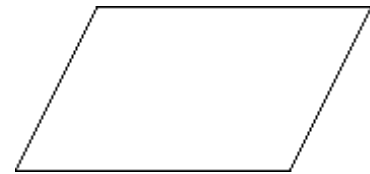7) $\dfrac{1}{6} - \dfrac{1}{11}$

8) $\dfrac{5}{7} - \dfrac{1}{2}$

9) $\dfrac{8}{15} - \dfrac{1}{20}$
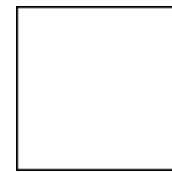
Solve. Write the answer in simplest form.

10) Find the perimeter of the figure. Recall that the perimeter of a figure is the distance around the figure.

$\dfrac{6}{24}$ foot

$\dfrac{8}{24}$ foot

11)

$\dfrac{5}{12}$ centimeter

Perform the indicated operation. Simplify if possible. The letters work the same way numbers do except you cannot use a calculator.

12) $\dfrac{4m}{10n} + \dfrac{2m}{10n}$

13) $\dfrac{3b}{z} + \dfrac{3z}{5}$

1

1) $\dfrac{2}{3}$

2) $\dfrac{3}{7}$

3) 18

4) 252

5) $\dfrac{18}{27}$

6) $\dfrac{25}{63}$

7) $\dfrac{5}{66}$

8) $\dfrac{3}{14}$

9) $\dfrac{29}{60}$

10) $\dfrac{7}{6}$ ft

11) $\dfrac{5}{3}$ cm

12) $\dfrac{3m}{5n}$

13) $\dfrac{15b + 3z^2}{5z}$