

Name _____

Add and simplify.

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

Subtract and simplify.

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

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) $\frac{2}{3} = \frac{\quad}{27}$

Simplify.

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

Subtract and simplify.

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

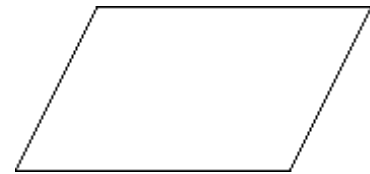
8) $\frac{5}{7} - \frac{1}{2}$

9) $\frac{8}{15} - \frac{1}{20}$

Solve. Write the answer in simplest form.

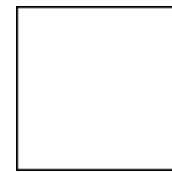
- 10) Find the perimeter of the figure. Recall that the perimeter of a figure is the distance around the figure.

$\frac{6}{24}$ foot



$\frac{8}{24}$ foot

- 11)



$\frac{5}{12}$ centimeter

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

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

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

Answer Key

Testname: M050_3.1_3.3

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

ID: DEVMAT3M 3.1.1-1+

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

ID: DEVMAT3M 3.1.2-4+

3) 18

ID: DEVMAT3M 3.2.1-6+

4) 252

ID: DEVMAT3M 3.2.2-3+

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

ID: DEVMAT3M 3.2.3-4+

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

ID: DEVMAT3M 3.3.1-2+

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

ID: DEVMAT3M 3.3.2-1+

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

ID: DEVMAT3M 3.3.2-6+

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

ID: DEVMAT3M 3.3.2-7+

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

ID: DEVMAT3M 3.1.3-2+

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

ID: DEVMAT3M 3.1.3-3+

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

ID: DEVMAT3M 14.3.1-5+

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

ID: DEVMAT3M 14.4.1-4+