

Prealgebra Review HW #5: Mixed Numbers & Applications

Write the mixed number as an improper fraction.

1) $15\frac{7}{10}$

2) $8\frac{3}{5}$

Write the improper fraction as a mixed number.

3) $\frac{44}{9}$

4) $\frac{30}{11}$

Perform the indicated operation. Write the answer in lowest terms.

5) $4\frac{4}{5} \cdot 4\frac{1}{6}$

6) $4\frac{1}{2} + 3\frac{1}{9}$

7) $3\frac{3}{4} \div 6\frac{1}{12}$

8) $16\frac{1}{5} - 8\frac{2}{5}$

9) $2\frac{7}{9} \cdot 5\frac{2}{5}$

10) $9\frac{9}{10} - 7\frac{1}{4}$

11) $5\frac{3}{4} + 5\frac{7}{10}$

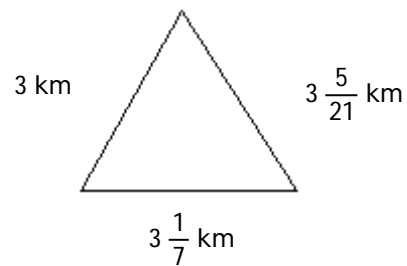
12) $45 \div 2\frac{1}{2}$

Solve. Write the answer in simplest form.

- 13) Last week, Samantha ran 21 miles. This week, she ran $19\frac{2}{3}$ miles. How much more did she run last week?

Solve the problem.

- 14) Find the perimeter of the triangle in the figure.



- 15) To obtain a certain shade of paint, Peter mixed $1\frac{1}{2}$ gallons of white paint with $3\frac{3}{5}$ gallons of brown and 6 gallons of blue paint. How much paint did he have?

Answer Key

Testname: PREALGEBRA REVIEW HW #5

1) $\frac{157}{10}$

2) $\frac{43}{5}$

3) $4\frac{8}{9}$

4) $2\frac{8}{11}$

5) 20

6) $7\frac{11}{18}$

7) $\frac{45}{73}$

8) $7\frac{4}{5}$

9) 15

10) $2\frac{13}{20}$

11) $11\frac{9}{20}$

12) 18

13) $1\frac{1}{3}$ miles

14) $9\frac{8}{21}$ km

15) $11\frac{1}{10}$ gal