

# Math Basic Skills Practice Quiz (MAR)

First & Last Name: KEY Random Generator #: \_\_\_\_\_

Directions: 1.) Show some thinking for each question 2.) Circle all your final answers  
3.) Simplify and label units if needed 4.) No calculators 5.) Tell the truth – all the time

1.) 15% of \$380

$$10\% \Rightarrow 38$$

$$5\% \Rightarrow 19$$

$$15\% \Rightarrow 57$$

$$\boxed{\$57}$$

2.)  $(-2.01)(0.002) =$

$$(-)(+) = - \quad \boxed{-0.00402}$$

201  
x 2  
402  
move decimal 5 places

3.)  $\frac{426}{0.03} = \frac{426 \cdot 100}{100 \cdot 0.03} = \frac{42600}{3}$

$$3 \overline{) 42600}$$

$$\begin{array}{r} 14200 \\ - 36 \\ \hline 12 \\ - 12 \\ \hline 06 \\ - 6 \\ \hline 000 \end{array}$$

$$\boxed{14,200}$$

4.)  $22\frac{3}{7} - 11\frac{2}{3} =$

$$22\frac{9}{21} - 11\frac{14}{21} =$$

$$21\frac{30}{21} - 11\frac{14}{21} = \boxed{10\frac{16}{21}}$$

5.)  $4\frac{1}{2} \times 2\frac{3}{4} =$

$$\frac{9}{2} \times \frac{11}{4} = \boxed{\frac{99}{8}}$$

6.) Find the area of a square with a side length of 7.5m.

$$7.5 \times 7.5 =$$

$$\begin{array}{r} 7.5 \\ \times 7.5 \\ \hline 375 \\ 525 \times \\ \hline 56.25 \end{array}$$

$$\boxed{56.25m^2}$$

7.) 216 feet is 40% of what number?

$$216 = .4x$$

$$\div .4 \quad \div .4$$

$$\boxed{540 \text{ feet}}$$

$$\frac{216}{.4} \cdot \frac{10}{10} = \frac{2160}{4} = 540$$

8.) Create a table of solutions for  $y = 2x - 1$

x	1	2	3	4	5
y	1	3	5	7	9

$$y = 2(3) - 1 = 6 - 1 = 5$$

9.) & 10.) Place the numbers below on the number line between zero and one.

$$83\%, \frac{68}{84}, 0.11, \frac{15}{25}, 0.2, \frac{24}{60}, 93.9\%, \frac{17}{51}, 48\%, \frac{2}{98}$$

