

KEY

Math Basic Skills Practice Quiz (JAN)

First & Last Name: _____ 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.) $12,699 - 309.59 =$

$$\begin{array}{r} 12699.00 \\ - 309.59 \\ \hline 12389.41 \end{array}$$

3.) $\frac{2.22}{0.03} =$ 74

$$\frac{222}{3} = 3 \overline{) 222} \begin{array}{r} 74 \\ 21 \downarrow \\ 12 \\ 12 \end{array}$$

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

$$\frac{5}{2} \div \frac{5}{4} = \frac{5}{2} \cdot \frac{4}{5} = \frac{20}{10} = \boxed{2}$$

7.) \$72 is 80% of what number?

$$72 = .8x \quad 8 \overline{) 720}$$

$$\frac{72}{.8} = x \quad \boxed{\$90}$$

2.) $(1.3)(-0.04) =$

$$\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array} \quad \begin{array}{l} \text{2nd} \\ (+)(-) = - \end{array} \quad \begin{array}{r} 0.052 \\ 3 \quad 2 \quad 1 \end{array}$$

3rd 3 decimal place moves -0.052

4.) $14\frac{1}{4} - 5\frac{5}{7} =$

$$13\frac{5}{4} - 5\frac{5}{7} = 13\frac{35}{28} - 5\frac{20}{28} = \boxed{8\frac{15}{28}}$$

6.) Find the perimeter of a square with a side length of 4.3cm.

$$\begin{array}{r} 4.3 \\ \times 4 \\ \hline 17.2 \end{array}$$

17.2cm

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

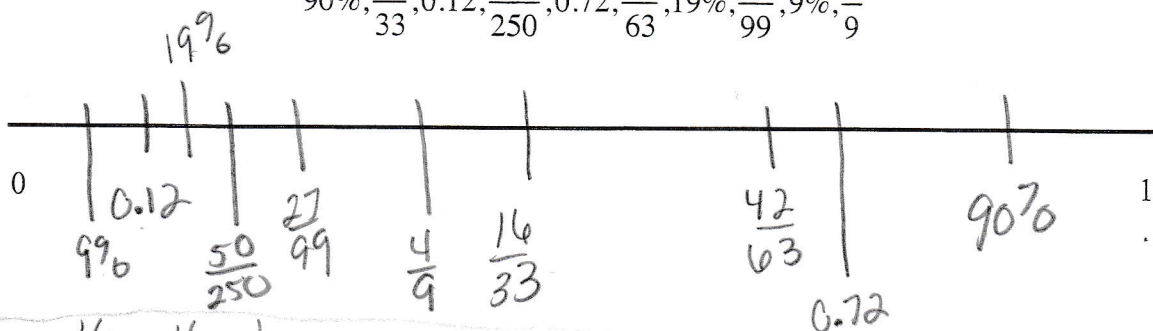
| | | | | | |
|---|---|---|---|---|---|
| X | 1 | 2 | 3 | 4 | 5 |
| y | 1 | 3 | 5 | 7 | 9 |

$$y = 2(1) - 1 = 1$$

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

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

$$90\%, \frac{16}{33}, 0.12, \frac{50}{250}, 0.72, \frac{42}{63}, 19\%, \frac{27}{99}, 9\%, \frac{4}{9}$$



THINKING for 2 $\Rightarrow \frac{16}{33} < \frac{16}{32} = \frac{1}{2}$

$\frac{50}{250} = \frac{1}{5} = .2$