

Math Basic Skills Practice Quiz (FEB)

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.) $16,250 - 1,860 =$
 $\approx 14,000$

$$\begin{array}{r} 16250 \\ - 1860 \\ \hline 14390 \end{array}$$

2.) $(2.4)(-0.2) =$
 $(+)(-) = -$ move decimal twice to left
 $24 \cdot 2 = 48$
 48 -0.48

3.) $\frac{736}{0.4} =$

$\frac{736}{0.4} \cdot \frac{10}{10} = \frac{7360}{4} = 1840$

4.) $64\frac{2}{7} - 26\frac{2}{3} =$

≈ 38
 since $\frac{2}{7} < \frac{2}{3}$ borrow from 64
 $63\frac{9}{7} - 26\frac{2}{3} = 63\frac{27}{21} - 26\frac{14}{21} = 37\frac{13}{21}$

5.) $5\frac{5}{7} \div 2\frac{1}{2} =$

$\frac{40}{7} \div \frac{5}{2} = \frac{40}{7} \cdot \frac{2}{5} = \frac{80}{35}$

$\frac{80}{35} \div \frac{5}{5} = \frac{16}{7} \text{ or } 2\frac{2}{7}$

6.) Find the area of a square with a side length of 2.4m.



$$\begin{array}{r} 2.4 \\ \times 2.4 \\ \hline 96 \\ + 480 \\ \hline 5.76 \end{array}$$

 5.76m^2
units

7.) 320km is 80% of what number?

$320 = .8x$
 $\div .8 \quad .8$
 $\frac{320}{.8} = \frac{3200}{8} = 400$
 400km
units

8.) Create a table of solutions for:

$y = 36 - 5x$

X	1	2	3	4	5
y	31	26	21	16	11

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

$27\%, \frac{25}{76}, 0.72, \frac{15}{25}, 0.05, \frac{42}{63}, 2.9\%, \frac{49}{99}, 82\%, \frac{91}{100}$

