Name: _____ Date: _____

BLM 2–10

Chapter 2 Test

For #1 to #5, choose the best answer.

1. Put $1\frac{1}{4}$, $\frac{2}{3}$, 0.72, and $-\frac{5}{7}$ in ascending order.

Change to decimal numbers.

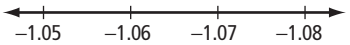
A $-\frac{5}{7}$, $\frac{2}{3}$, 0.72, $1\frac{1}{4}$

B $-\frac{5}{7}$, $1\frac{1}{4}$, $\frac{2}{3}$, 0.72

C $-\frac{5}{7}$, 0.72, $\frac{2}{3}$, $1\frac{1}{4}$

D $-\frac{5}{7}$, $\frac{2}{3}$, 0.72, $1\frac{1}{4}$

2. Which rational number is between -1.06 and -1.07 on a number line?



A $-\frac{11}{10}$

B $-\frac{213}{200}$

C $-\frac{26}{25}$

D $-\frac{108}{100}$

3. Which rational number is not an example of a square number?

A 196

B 1.21

C $\frac{1}{9}$

D $\frac{4}{20}$

Complete the statements in #4 to #5.

4. A decimal number, to the nearest tenth, between $\frac{2}{3}$ and $\frac{5}{6}$ is _____.

5. The value of $3.7 - 4.6 \div (-2.3)$ is _____.

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Short Answer

6. Determine the value of each of the following to the nearest tenth.

a) $\sqrt{0.36}$ **b)** $\sqrt{0.81}$

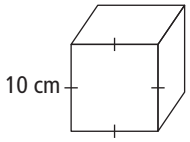
7. Find the square root. Leave your answer as a fraction.

a) $\frac{\sqrt{81}}{\sqrt{25}} = \frac{\square}{\square}$ **b)** $\frac{\sqrt{1}}{\sqrt{49}}$

8. Between what 2 whole numbers does the square root of 8 lie?

9. The area of a square is 0.25 km^2. Find the dimensions of the square.
Hint: A = s^2

10. A jar of paint covers 100 cm^2. How many jars are necessary to cover a cube with a side length of 10 cm?



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