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Grade 4 Decimals and Fractions Worksheets

Q1) Order the numbers from least to greatest.

0.82

0.69

$\frac{3}{8}$

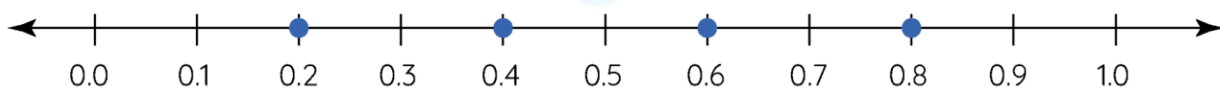
$\frac{1}{2}$

$\frac{9}{10}$

Q2) Match the fractions in column 1 by the decimal representation in column 2.

Fractions	Decimal Numbers
a) $\frac{5}{100}$	i) 0.9
b) $\frac{1}{2}$	ii) 6.07
c) $\frac{9}{10}$	iii) 0.5
d) $6\frac{7}{100}$	iv) 0.05

Q3) Write the fractions for the decimal number shown on the number line.



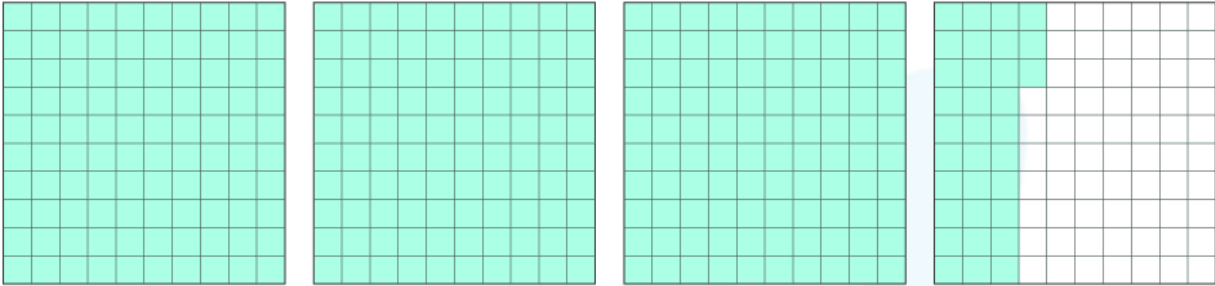
Q4) Fill in the blanks with a correct decimal number.

a) $\underline{\quad} \times \frac{1}{10} = 5.67$

b) $0.01 \times \underline{\quad} = \frac{53}{1000}$

Q5) Karen bought 2.2 pounds of fruit for his birthday. His friends ate $\frac{8}{5}$ pounds of the fruit. How many pounds of fruit is left with Karen? Write the answer in decimal.

Q6) Write the fraction for the shaded portion.



Q7) Between which two numbers does the number 1.56 lie?

- a) $\frac{8}{5}$ and $\frac{17}{10}$
- b) $\frac{3}{2}$ and $\frac{8}{5}$
- c) 1 and 2

Q8) Which fraction represents “two tens four ones five tenths and three hundredths”?

Q9) Choose the number(s) which is equivalent to 0.6

- a) $\frac{3}{50}$
- b) 0.60
- c) 6.0

Q10) Put the signs: $>$, $<$ or $=$ to make the following statements true.

- a) $0.11 _ \frac{1}{10}$
- b) $\frac{11}{2} _ 5.5$

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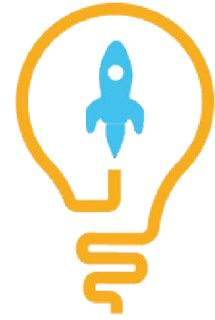
- Kirk Riley

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- Barbara Cabrera

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**ANSWERS**

1) $\frac{3}{8}$, $\frac{1}{2}$, 0.69, 0.82, $\frac{9}{10}$	6) $3\frac{33}{100}$
2) a) - iv), b) - iii), c) - i), d) - ii)	7) b) $\frac{3}{2}$ and $\frac{8}{5}$
3) $\frac{1}{5}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{4}{5}$	8) $\frac{2453}{100}$
4) a) 56.7, b) 5.3	9) a), b)
5) 0.6 pounds	10) a) >, b) =

FUN FACT

1. A decimal number system is used to express the whole number and fraction together.
2. All fractions can be written as a decimal number.
3. The digits to the right of the decimal point represents the fractional part of a decimal number.

