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CONVERTING DECIMALS TO FRACTIONS WORKSHEET - 4

1) 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) $\frac{607}{100}$	iv) 0.05

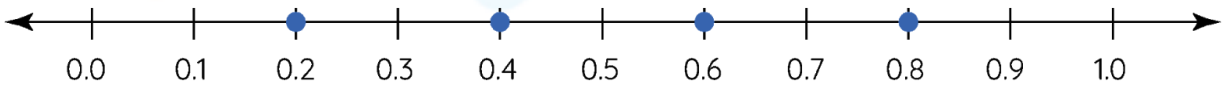
2) Put the signs: >, < or = to make the following statements true.

a) 0.11 __ $\frac{1}{10}$

b) $\frac{11}{2}$ __ 5.5

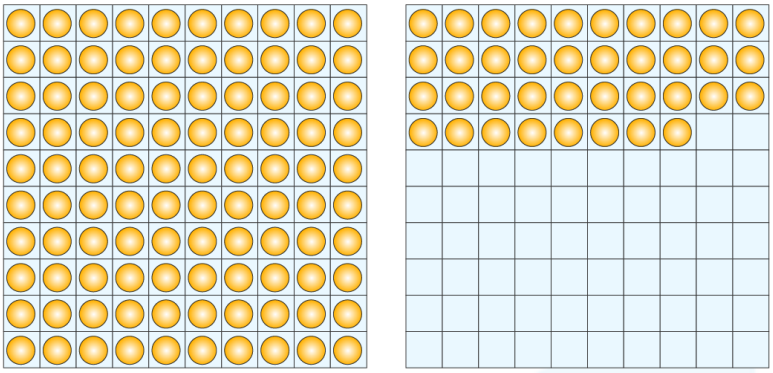
3) Which fraction represents “two tens four ones five tenths and three hundredths”?

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



5) Jimmy travels 5.76 miles every day. If she travels 3.5 miles by car and the rest by bus, calculate the distance she travels by the bus in fraction.

6) Write the decimal number and fraction represented by the model shown below.



7) Find the area of a rectangle whose length is 78.2 units and breadth is 45.8 units. Represent your answer in fraction.

8) Which decimal number represent the fraction $\frac{27489}{500}$?

85.947	49.785	54.978	85.497	85.945

9) Write the product of 5.6 and 4.9 in mixed fraction.

10) Order the numbers from least to greatest.

0.82	0.69	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{9}{10}$

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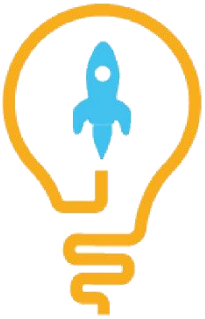
ANSWERS



1)	a) - iv), b) - iii), c) - i), d) - ii)
2)	a) >, b) =
3)	$\frac{2453}{100}$
4)	$\frac{1}{5}, \frac{2}{5}, \frac{3}{5}, \frac{4}{5}$
5)	$\frac{113}{50}$
6)	1.38, $\frac{69}{50}$
7)	$\frac{89539}{25}$ units^2
8)	54.978
9)	$27\frac{11}{25}$
10)	$\frac{3}{8}, \frac{1}{2}$, 0.69, 0.82, $\frac{9}{10}$

FUN FACT

1. There are decimal numbers that never terminate. For example, the decimal form of $\frac{1}{3}$ is 0.666...

2. In the case of decimals, for the whole number part, the place value system is the same as the whole number.

3. If we go right from the decimal point, the next place will be (1/10) times smaller, which will be $(1/10)^{th}$ or one-tenth position.