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Worksheet-4 on Decimal 4th grade

Q1) In which place is the digit 2 in the number 32.86?

- a) Tens
- b) Ones
- c) Tenths
- d) Hundredths

Q2) Represent the following decimal numbers in the place value chart.

	Hundreds	Tens	Ones	Tenths	Hundredths
a) 650.21					
b) 57.63					

Q3) Which number is represented by w in the number line shown below?



Q4) Which of the following represents the decimal number 98.42?

- a) $80 + 9 + \frac{4}{10}$
- b) $900 + 80 + \frac{4}{10} + \frac{2}{100}$
- c) $90 + 8 + \frac{4}{10} + \frac{2}{100}$
- d) $900 + 8 + \frac{2}{10} + \frac{4}{100}$

Q5) 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.

Q6) Match the digits in column 1 by the place value in column 2 for the decimal number 45.691

Digits	Place Value
a) 4	i) Tenths
b) 5	ii) Ones
c) 6	iii) Hundredths
d) 9	iv) Thousandths
e) 1	v) Tens

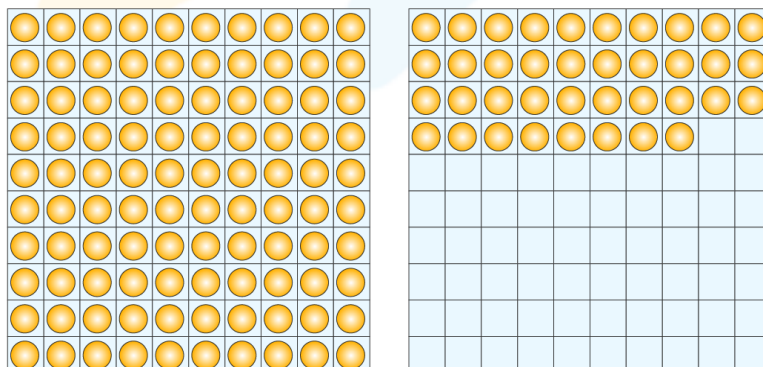
Q7) Mariam scores 89.2% in Grade 4 whereas her friend, Jenny scores 78.4%. By what percentage Mariam exceeds Jenny's score?

Q8) Fill the appropriate signs: $>$, $<$ or $=$

a) 0.001 $\underline{\hspace{1cm}}$ 0.01

b) 99.9 $\underline{\hspace{1cm}}$ 9.9

Q9) Write the number represented below in a place value chart.



Q10) Fill in the blanks with a correct decimal number.

a) Sum of $\underline{\hspace{1cm}}$ and 34.1 is 54.91

b) Product of 0.5 and 0.7 is $\underline{\hspace{1cm}}$

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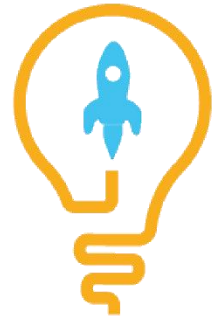
- Barbara Cabrera

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ANSWERS

1) b) Ones	6) a) - v), b) - ii), c) - i), d) - iii), e) - iv)
2) Check solution	7) 10.8%
3) 0.37	8) a) < b) >
4) c) $90 + 8 + \frac{4}{10} + \frac{2}{100}$	9) Check solution
5) 2.26 miles	10) a) 20.81 b) 0.35



SOLUTIONS

Complete solution/explanation

1) b) Ones

2)

	Hundreds	Tens	Ones	Tenths
a) 67.4		6	7	4
b) 570.2	5	7	0	2

3) 0.37

4) : c) $90 + 8 + \frac{4}{10} + \frac{2}{100} = 98.42$

5) Total distance = 5.76 miles

Distance traveled by car = 3.5 miles

Distance traveled by bus = 5.76 miles - 3.5 miles = 2.26 miles

6) a) - v), b) - ii), c) - i), d) - iii), e) - iv)

7) Mariam's score = 89.2%

Jenny's score = 78.4%

		8	12
	8	9	2
-	7	8	4
	1	0	8

Mariam exceeds Jenny's score by 10.8%

8) a) $0.001 < 0.01$ b) $99.9 > 9.9$

9)

Tenths	Hundredths	Thousandths
3	8	5

10 a) 20.81

	5	4	9	1
–	3	4	1	0
	2	0	8	1

b) 0.35

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 $(1/10)^{\text{th}}$ or one-tenth position.

