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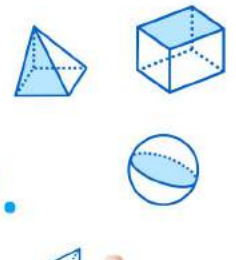

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Percentage Word Problem Worksheet-3

1. Bob has a collection of 450 pens. If he gave 90 pens to his friend Jenny, find the percent of pens left with Bob?

2. How much percentage of a month is a day? [Take 1 month=30 days]

3. A rectangular tank is filled with kerosene up to $\frac{1}{3}$ of its height. Find the percentage of kerosene in the tank.

4. In a test, if 30% marks are required to clear the test and Mary has scored 50 marks out of 120, will she clear the test?

5. Walter has a collection of 56 stamps out of which he gave one-fourth to his friend. Find the percentage of stamps given by Walter to his friend?

6. Jack, Ryan and Susan study in three different schools and scored the following marks in math test:
   a) Jack - $\frac{40}{60}$
   b) Ryan - $\frac{33}{55}$
   c) Susan - $\frac{52}{65}$

   Can you identify and tell who has performed better?

7. If the area of a rectangular wall is 500 square units and its breadth is 10 units, find the percentage increase in the area if the length has been increased by 10 units.

8. A tea shop owner mixes 40 cups of water and 70 cups of milk. She calculated and found that she adds 55% of water in tea. Is she correct? Explain with reason.

9. In a colony, if 30 houses are painted in red color and 50 houses are painted in blue color. Find the percentage of red colored houses in the colony?
   [Assume that there are only red and blue colored houses in the colony]

10. If a coffee shop is offering a 10% discount on coffee of $35, find the final price that customer has to pay for that coffee cup?

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- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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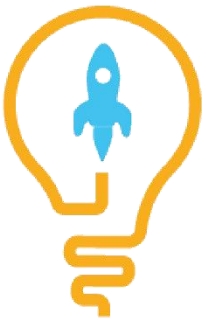

ANSWERS

1)	80%
2)	3.33%
3)	33.33%
4)	Yes
5)	25%
6)	**Susan, 80%**
7)	20%
8)	She is wrong, 36.36% water
9)	37.5%
10)	$ 31.5

FUN FACT

1. x% of y = y% of x

2. Percent has come from the Latin word "per centum" meaning one hundred or out of hundred.

3. Percent is a fraction with 100 as the denominator.