PERCENT TO DECIMAL WORKSHEET-I

1) Express the following percentages as decimals.
   a) 60%
   b) 350%

2) Which of the following decimals is equal to 65%?
   a) 6.5
   b) 0.65
   c) 0.065
   d) None of the above

3) Match the decimals in column 1 with their equivalent percents in column 2.

Decimal	Percentage
a) 4.8	i) 4800%
b) 48	ii) 480%
c) 0.48	iii) 48%

4) Which percentage from the following list represents 0.45?

| 45% | 4.5% | 450% | 0.45% |

5) To change a percentage to a decimal you_____.
   a) Multiply by 10
   b) Multiply by 100
   c) Divide by 10
   d) Divide by 100

6) Jennifer adds 55% of chocolate syrup to prepare chocolate smoothie. Calculate the quantity of syrup required to prepare 0.1 gallon smoothie.

7) There are 43% chances of Jack's team winning the Rugby match. Find the probability that they will win.

8) Find the missing number:

$$\frac{40}{?} + \frac{50}{100} = 0.9$$

9) Katie was offered a percent discount of 2.9%. Calculate the discount she availed for a shopping worth $100.

10)State whether true or false:
The decimal equivalent of 74% is 7.4.

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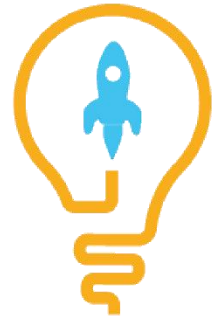
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ANSWERS

1)	a) 0.6 b)3.5
2)	b)
3)	a)--ii); b)--i); c)--iii)
4)	45%
5)	d)
6)	0.055 gallon
7)	0.43
8)	100 0
9)	$2.9
10)	False

FUN FACT

1. We can represent decimal numbers using Base-10 blocks (flats, rods, and blocks). A flat represents one whole unit, a rod one-tenth of the whole, and a block one-hundredth of the whole.

2. All decimal numbers can be converted to a fraction.

3. All decimal numbers can be converted to a percentage and vice-versa.