Worksheet

Name: .....

Roll No: ..... Class: ..... Section: .....

Date: .....

DISTRIBUTIONS IN DATA SCIENCE

Unit-2

A. If we consider the possible outcomes from the throw of two dice:

Outcome of First Die

Outcome of Second Die	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12

And so if we define X as a random variable denoting the sum of the two dices, then we get the following distribution:

X	2	3	4	5	6	7	8	9	10	11	12
P(X=X)	1/36	2/36	3/36	4/36	5/36	6/36	5/36	4/36	3/36	2/36	1/36

Calculate the expected value.

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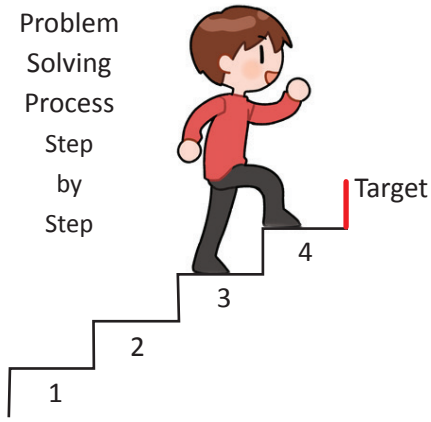
B. Write the names of the four components of statistical problem-solving process:



Grade: ☆ ☆ ☆ ☆ ☆

Teacher's Signature: .....