

GRADES-7 ANSWERS

For each of the following sets of grades, do the following:

- Find the probability that a student makes an A.
- Find the probability that a student makes a B.
- Find the probability that a student makes an A or a B.
- Find the probability that a student makes an A and a B.
- Find the probability that a student has one of the numerical grades in the data set.
- Find the probability that a student has a numerical grade of 50.
- Find the probability that a student doesn't make an A.
- Find the probability that a student makes a 92
- Find the probability that a student makes a 92 given that they make an A.

1. 55, 62, 63, 66, 67, 69, 71, 71, 73, 74, 75, 78, 79, 85, 87, 88, 89, 92, 92, 99

- $3/20$
- $4/20 = 1/5 = 0.2$
- $7/20$
- 0
- 1
- 0
- $17/20$
- $2/20 = 1/10 = 0.1$
- $2/3$

2. 54, 56, 63, 72, 73, 75, 76, 77, 78, 81, 81, 89, 91, 92, 95, 95, 95, 96, 97, 98

- $8/20 = 2/5 = 0.4$
- $3/20$
- $11/20$
- 0
- 1
- 0
- $12/20 = 3/5 = 0.6$
- $1/20 = 0.05$
- $1/8 = 0.125$