

A) Amusement Park Ride #1

To Find the MEAN:

Add all the data values:

$$10 + 12 + 12 + 13 + 15 + 15 + 17 + 17 + 18 + 20 = 150$$

There are 10 data values. So divide 150

by 10: $150 \div 10 = 15$

The mean is 15 minutes

Ride #2

$$8 + 8 + 9 + 10 + 15 + 21 + 21 + 27 + 29 + 32 = 180$$

$$180 \div 10 = 18 \rightarrow \text{mean is 18 minutes}$$

B) Ride #1: Mean is 15 min.

$$5 + 3 + 3 + 2 + 0 + 0 + 2 + 2 + 3 + 5 = 24$$

$$24 \div 10 = 2.4 \text{ minutes}$$

MAD ↑

Ride #2: Mean is 18 min.

$$10 + 10 + 9 + 8 + 3 + 3 + 3 + 9 + 11 + 14 = 80$$

$$80 \div 10 = 8 \text{ minutes}$$

MAD ↑