**Worksheet: PERCENTILES Teacher: Ms. Kaur**

**Due date: 3/27/2020**

**Show your work wherever needed. You can either edit the doc and email it to me or show your work on paper and send (email) me the picture.**

**1.**

**If I tell you that you scored at the 55th percentile on your final exam, you would know:**

1. 55% of the class scored the same or worse than you did
2. You earned a 55% on the exam
3. You failed the exam
4. 45% of the class scored worse than you did

2.

* Q. The 75th percentile is also known as the:

1. median
2. third quartile
3. 1st quartile`
4. interquartile range

* 3. Q.

You are told that your height is the 70th percentile of all heights for people your age. Which of the following is a correct interpretation of this information?

answer choices

1. Your height is the same as about 70% of all other people your age.
2. Your height is the same as or higher than about 70% of all other people your age.
3. Your score height is lower than approximately 70% of all other people your age.
4. 70% of all people your age are taller than you.

* 4. The five-number summary of the distribution of scores on the final exam in Psych 101 last semester was: 20 40 62 84 100. Which of the following best describes the location of the 60th percentile?

answer choices

1. It is a score of 84
2. The 60th percentile is between 62 and 84
3. The 60th percentile is between 84 and 100
4. The 60th percentile is between 40 and 62

* 5.

Given the data set: 1, 2, 3, 6, 9, 11, 45, 102, calculate the percentile rank for 11.

answer choices

1. 70th percentile
2. 62.5thpercentile
3. 72.5thpercentile
4. 75thpercentile

* 6.

**Find the 46th percentile of this set of 11 values**

**﻿22, 5, 12, 16, 31, 25, 30, 39**,**32, 33, 18**

answer choices

1. 5.06
2. 5
3. 22
4. 25

* 7. Q.

What is the percentile rank of 74 in the following group of 15 data values? 35, 65, 68, 100, 23, 69, 74, 70, 61, 90, 85, 55, 30, 65, 80

answer choices

1. 73rd
2. 90th
3. 75th
4. 27th

* 8. Q.

Find P20 for the following set of 15 data values.

35, 65, 68, 100, 23, 69, 74, 70, 61, 90, 85, 55, 30, 65, 80

answer choices

1. 12
2. 45
3. 35
4. 57

* 9. The Median is also referred to as

answer choices

1. the 25th Percentile
2. the 50th Percentile
3. the 75th Percentile
4. the 100th Percentile

* 10. Q.

Here are the weights (in pounds) of 10 puppies: 4 4 5 7 8 8 8 10 12 13 What is the percentile rank of a 5 pound puppy?

answer choices

1. 30%
2. 20th percentile
3. 70%
4. 30th percentile

* 11. Q. The percentile represents the....

answer choices

1. percent of data values that are below.
2. percent of data values that are above.
3. number of data values that are below.
4. number of data values that are below.