

7th Grade, Week 5/4-5/8 Due: 5/11

Monday:

Math- Khan Academy (19 pts)

Interquartile range (IQR) (5pts, video)

Interquartile range (IQR) (4pts, exercise)

Comparing range and interquartile range (IQR) (5pts, article)

Interquartile range review (5pts, article)

Tuesday: Virtual Meeting at 10:00am

Math- Khan Academy (25pts)

Measures of spread: range, variance, and standard deviation (5pts, video)

Variance of population (5pts, video)

Population standard deviation (5pts, video)

The idea of spread and standard deviation (5pts, article)

Calculating standard deviation step by step (5pts, article)

Science- Work on Mini Lab pg 489

History- Lesson 11.1 read pgs 514-523

Wednesday:

Math- Khan Academy (19pts)

Standard deviation of a population (4pts, exercise)

Mean and standard deviation versus median and IQR (5pts, video)

Concept check: Standard deviation (5pts, article)

Statistics: Alternate variance formulas (5pts video)

Thursday: Virtual meeting at 10:00 am.

Math- Khan Academy (23pts)

Sample variance (5pts, video)

Sample standard deviation and bias (5pts, video)

Variance (4pts, exercise)

Sample and population standard deviation (4pts, exercise)

Population and sample standard deviation review (5pts, article)

Science- Finish MiniLab pg 489

History- Watch <https://www.youtube.com/watch?v=w70BkCqgyyl> and complete worksheet

Friday:

Math- Khan Academy (10pts)

Summarizing quantitative data: Quiz 3 (10 pts)

Name: _____
Date: _____
Class: _____



Crash Course European History Episode 12: Scientific Revolution

1. What ended up happening to many of the scientists in the Scientific Revolution?

2. For much of human history people did not expect to live _____ or more _____ lives than before?
3. On what core belief did the Scientific Revolution contradict the Catholic Church?

4. How did the Church view beliefs of the universe different from their own?

5. _____ observed the _____ view of the universe where the planets revolved around the sun.
6. _____ observed elliptical orbits of the planet.
7. Galileo used the _____ to observe planets and orbits.
8. How did the Catholic Church react to Galileo's teachings?

9. When did the Catholic Church finally acknowledge that Galileo was correct in his findings? _____
10. _____ used dissections to examine how the heart functioned.
11. What is the term for the belief that planets and stars influence humans?

12. _____ used reason and stated that there was a "scientific method" to be followed.
13. Reaching the truth and drawing conclusions from specific, reliable facts or evidence is _____.
14. Which scientist believed that it was crucial to think for yourself?

15. _____ is central to the scientific method.

16. What is deductive reasoning?

17. What is the term for the science that believes that other metals can be turned to gold?

18. Part of the glory of science is learning _____.

19. Who was the philosopher that wrote the laws of gravitation and discovered concepts such as mass, force and velocity? _____

20. How did exploration and discovery impact science?

21. How did governments respond to the scientists and their discoveries?
