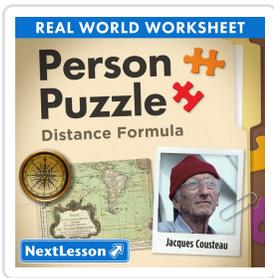




Teacher Guide

Person Puzzles are short practice worksheets where students solve math problems to learn about the lives of notable people throughout history.



Description

Bring to life the traditional class or homework assignment with some global competency and diversity. While your students practice the distance formula, they also learn about the most famous oceanography pioneer -- Jacques Cousteau.

Person Puzzles are designed to highlight individuals with diverse backgrounds who have made significant contributions to our world. Students are often underexposed and do not learn about significant (historical or current) figures and this is an easy way to learn how to throw some interdisciplinary content without sacrificing their math.

Students enjoy the person puzzles because they innately like figuring out these pieces of facts and enjoy learning about someone interesting and different! You can use Person Puzzles as timed warm-ups which allows you to share a little about the person and before your daily lesson. You can also drop some college readiness into the majors, degrees and careers!

Duration

30 min

Teacher Preparation

Standards Addressed

Please visit your account settings to select the standards you wish to see.

Common Core State Standards (Math)	
8.G.B.8	Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

SAMPLE

Biography Snapshot - Jacques Cousteau

Jacques Cousteau (1910 – 1997) began his career in Naval Aviation, but following a car accident was encouraged to set his sights elsewhere. With a passion for the ocean and its life forms, Cousteau began devoting much of his time to filmmaking and experiments aboard his ship Calypso. A pioneer, he aided in the development of non-profit organizations to benefit the environment and ocean life, as well as furthering research in these areas.



DIRECTIONS: Find the distance between each pair of points and round to the nearest thousandth. The word or phrase next to the approximate answer will complete the statement correctly.

1. $(3, 4)$ & $(6, 8)$

Jacques Cousteau was born in Gironde, _____.

- 5 France
- 5.8 Germany
- 6.2 Switzerland

2. $(-4, 2)$ & $(-4, -4)$

Cousteau completed his studies at a private Catholic school, _____, in Paris.

- 4 Collège Lycée
- 6 Collège Stanislas
- 8 Polytechnique

Workspace

Person Puzzle - Distance Formula - Jacques Cousteau

3. $(-2, 0)$ & $(3, -5)$

Workspace

In 1942, along with Emile Gagnan, Cousteau is credited with inventing the _____.

- 7.071 Aqua Lung
- 7.389 Dive Cage
- 7.797 Scuba Suit

4. $(2, -9)$ & $(-1, 4)$

Workspace

Cousteau's first film *Épaves* can be translated to the English word _____.

- 12.836 Dolphins
- 13.054 Reefs
- 13.342 Shipwrecks

5. $(5, 9)$ & $(-7, -7)$

Workspace

As part of his ocean research endeavors, he correctly predicted the _____ among porpoises.

- 18.511 Acrobatics
- 18.512 Echolocation
- 18.513 Camouflage

Person Puzzle - Distance Formula -
Jacques Cousteau

6. $(-3, 3)$ & $(2, 2)$

Workspace

In 1960, he helped organize a publicity campaign to stop a dumping of radioactive waste into the _____.

- 4.579 Black Sea
- 5.099 Mediterranean Sea
- 5.643 Red Sea

7. $(23, -12)$ & $(-10, 41)$

Workspace

Throughout his life's work Cousteau is considered a pioneer of marine _____.

- 62.434 conservation
- 63.972 discovery
- 64.381 oceanography

8. $(10, 19)$ & $(-13, 9)$

Workspace

Cousteau's legacy includes _____ 50 books and _____ television programs.

- 22.571 20
- 4.751 60
- 22.571 20