

Replacement Questions

FINE ARTS: After the Attack on Pearl Harbor, this photographer was sent to document Japanese internment. “Broke, Baby Sick, and Car Trouble,” is a work by this photographer who photographed * the pea picker Florence Owens Thompson. “Migrant Mother” is a work by what American photographer?

ANSWER: (Dorothea) Lange

BONUS: Lange co-founded what magazine which shares its name with a hole through which light travels?

ANSWER: Aperture

HUMANITIES: This author of the poems “Claribel” and “Mariana” wrote the phrase, “Nature, red in tooth and claw,” for his * “In Memoriam A.H.H.” The Battle of Balaklava inspired another poem by this. What English poet wrote “The Charge of the Light Brigade?”

ANSWER: (Alfred, Lord) Tennyson

BONUS: What blank verse poem by Tennyson is a retelling of the Legend of King Arthur?

ANSWER: Idylls of the King

CURRENT EVENTS/POP CULTURE: This singer and songwriter is among the newest stars to have a Barbie* doll made in her likeness. She's dressed in a flowing black dress and cape, black platform heels, and clutches a tambourine adorned with streamers. Name the singer known for her time with Fleetwood Mac.

ANSWER: Stevie Nicks

BONUS: Which company makes Barbie dolls?

ANSWER: Mattel

CURRENT EVENTS/POP CULTURE: She won the Nobel Peace Prize in 2023 for her work fighting the oppression of women in this country.* She has worked to expand women's rights in the Middle Eastern country for years. Name the country that jailed Narges Mohammadi multiple times and sentenced her to over 30 years in prison.

ANSWER: Iran

BONUS: What name was Iran formerly called?

ANSWER: Persia

LITERATURE: It's a story within a story.* It has a “surface story” and another story hidden underneath. Name the writing technique where the hidden story that usually has something to do with politics, religion, or morality.

ANSWER: allegory

BONUS: This Dr. Seuss story is an example of allegory for racism and other forms of prejudice. Name the story about creatures who are treated as inferior because they don't have stars on their bellies.

ANSWER: The Sneetches

LITERATURE: These originated in ancient Greece and were typically written for the purpose of being performed publicly.* They were often accompanied by musical instruments. What is a type of poetry in which a person, an idea, or an event is praised?

ANSWER: ode

BONUS: Which poet wrote *Ode on a Grecian Urn*?

ANSWER: John Keats

SOCIAL STUDIES: This man wrote the hymn “A Mighty Fortress is our God,” and advocated for the burning of synagogues in “On the Jews and Their Lies.” Another work by this author was legendarily * placed on the door of a cathedral in Wittenberg. Who is this Protestant Reformer who wrote *95 Theses*?

ANSWER: (Martin) Luther

BONUS: Martin Luther defended his ideas at what imperial trial in 1521?

ANSWER: Diet of Worms [pronounced Verms]

SOCIAL STUDIES: E.D. Morel coined the phrase “Red [this good” during an expose about its production. The Force Publique enforced quotas for this good in the * Congo Free State led by King Leopold II. Charles Goodyear patented a method of vulcanization of what good, which is used to make tires?

ANSWER: Rubber

BONUS: At what conference did Leopold II gain sole ownership of the Congo Free State?

ANSWER: Berlin (Conference)

SCIENCE: The first of these devices, based on the theoretical work of Einstein and often used as weapons in SCIENCE fiction, was built in 1960.* This device produces a coherent beam of light by stimulating electrons, which produce light of a specific wavelength. What is this term that is an acronym for the process?

ANSWER: LASER

BONUS: It was only twelve years from building the first LASER to the commercial release of this optical storage device capable of holding pre-recorded data in excess of 700 megabytes.

ANSWER: Compact Disc [accept CD]

SCIENCE: The Latin term for this element is the source of its chemical symbol as well as the term plumber.* This metal was often used in plumbing in ancient Rome as well as into the 20th century. What is this element with the symbol Pb?

ANSWER: Lead

BONUS: This element also has a chemical symbol based on its Latin name, Aurum. What is this precious element with 79 protons?

ANSWER: Gold

MATHEMATICS COMPUTATION: A bag contains 12 red marbles, 16 blue marbles, 10 green marbles, and 12 black marbles. What is the reduced probability, as a fraction, of drawing out one marble, recording its color, replacing it and drawing another marble and both of the marbles being green?

ANSWER: **1/25**

BONUS COMPUTATION: One box contains four red balls and two black balls. A second box contains three red balls and three black balls. If one ball is drawn out of each box, what is the reduced probability, as a fraction, of drawing 2 red balls?

ANSWER: **1/3**

MATHEMATICS COMPUTATION: What is three and two-thirds times one and one-fifths?

Give your answer as a mixed number in simplest form.

ANSWER: **4 2/5** [Four and two-fifths]

BONUS COMPUTATION: What is three and seven-fifteenths divided by two and three-fifths?

Give your answer as a mixed number in simplest form.

ANSWER: **1 1/3** [One and one-third]