

TOTALLY RANDOM QUESTIONS

A series for inquiry-based learning



Students will love testing their knowledge of the fascinating info they'll find inside about animals, science, sports, food, and more.



Q. Why inquiry-based learning?

A. Students learn how to learn!

- By asking questions and examining answer explanations, students develop comprehension and critical-thinking skills.

Q. How can you engage students with Totally Random Questions?

A. Start class with a question.

- Prime students for learning with a fun brain break or warm-up.
- Engage all students by selecting questions that are relevant to student interests.

A. Make it a game!

- Try out the game—attached—and make it a competition!



TOTALLY RANDOM QUESTIONS

THE GAME!



HOW to Play

WHAT YOU'LL NEED:

- Several game boards (divide the total number of students by four, so that there are 3 or 4 to a board)
- Tape
- 1 player piece (e.g. a paper clip or eraser) per student
- TOTALLY RANDOM QUESTIONS Volume 1 or 2, or the supplemental question cards

Tip: Use the blank supplemental questions cards to create your own!

The time has come to test your knowledge on all things totally random and totally COOL!

1. Divide the class into teams of three to four players.
2. To start, stick the two sides of each board together with a piece of tape.
3. Get out your TOTALLY RANDOM QUESTIONS book, and invite students to cut out question cards on the next page. Encourage them to create their own questions for the blank cards.. Gather the cards.
4. Tell students to place all player pieces on START.
5. As teacher, you will be the question master, responsible for asking questions. Alternate between reading questions from the book and reading questions from the supplemental cards.
6. For each TRUE or FALSE question, if the player answers correctly, they can move their piece forward one space. If they answer incorrectly, they must move backward one space. For each MULTIPLE CHOICE question, if the player answers correctly, they can move their piece forward two spaces. If they answer incorrectly, they must move backward two spaces (or remain on START if they have not yet moved forward).
7. Have students take turns until someone reaches the finish line and wins!



SUPPLEMENTAL

QUESTION CARDS

FOLD

QUESTION

True or False:
It's impossible to breathe and swallow at the same time.

ANSWER

True

Breathing and swallowing at the same time is impossible. That's because the throat has two parts with two different functions that have to take turns. This coordination prevents air from going into the stomach, and liquid and food from going into the lungs. Each process uses a different part of the throat.

Instant Genius: We swallow around 600 times a day.

FOLD

QUESTION

How many hairs per square inch does a house cat have?

ANSWER

C. Over 60,000

Most house cats have about 60,000 hairs per square inch on their bodies and heads, and double on their bellies! In comparison, humans have just 800 to 1,290 hairs per square inch on their heads. Whiskers are not like other fur! These specialized hairs help kitties navigate their environment, providing additional sensory input, much like antennae on insects.

a. Between 10,000 and 15,000

b. Between 35,000 and 45,000

c. Over 60,000

FOLD

QUESTION

Who invented lacrosse?

ANSWER

b. Native Americans

Lacrosse was invented by the Algonquin tribe, who today live mainly on the border between the Northern US and Canada. Over time, the Algonquin taught the game to other Native Americans. Each tribe had a different name for the sport, but the most common was "baggataway." The ball was originally a solid piece of wood. As many as 100,000 players would show up to play in competitive games that would last for days.

a. Ancient Egyptians

b. Native Americans

c. Ancient Romans

FOLD

QUESTION

True or False:
Da Vinci's *Mona Lisa* lost her eyebrows.

ANSWER

True

As paintings age, they tend to chip and fade. Since the *Mona Lisa* is about 500 years old, it looks a little different today from when it was painted. A French engineer wanted to know what the woman may have looked like when she was newly made. He developed a camera to take extremely detailed scans of the painting. He could see scans of paint that had faded. Today if you look at the woman in the painting, you'll notice she doesn't have any eyebrows or lashes. What the engineer discovered, however, is that the *Mona Lisa* used to have both!

FOLD

QUESTION

How many stones did it take to build the Great Pyramid of Giza?

ANSWER

c. 2.3 million

Standing at 481 feet (147 m) tall, the Great Pyramid of Giza is one of the most impressive structures in the world. It was built around 4,500 years ago for an Egyptian pharaoh named Khufu. The Great Pyramid of Giza is made up of 2.3 million stones, some weighing as much as 15 tons, or twice as much as an elephant!

Instant Genius: Of the Seven Wonders of the Ancient World, the Great Pyramid of Giza is the only one still standing.

a. 150,000

b. 1 million

c. 2.3 million

FOLD

QUESTION

What was the first toy to be advertised on TV?

ANSWER

b. Mr. Potato Head

On April 30, 1952, Mr. Potato Head became the first toy to be advertised on television. Invented by George Lerner, it grew to be a huge success, selling over a million toys in the first year.

Instant Genius: The very first Mr. Potato Head kit cost 98 cents.

a. Barbie

b. Mr. Potato Head

c. LEGO bricks

FOLD

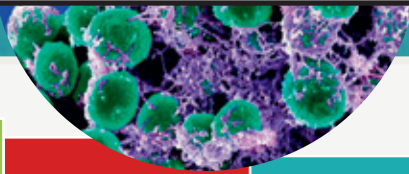
QUESTION

ANSWER

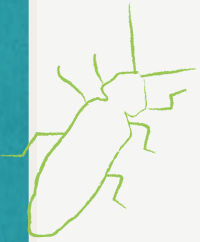
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QUESTION

ANSWER



Hey, look at me!



TOTAL RANKING



THE GAME



NOW YOU KNOW!

FINISH

Told you I could do it!



START





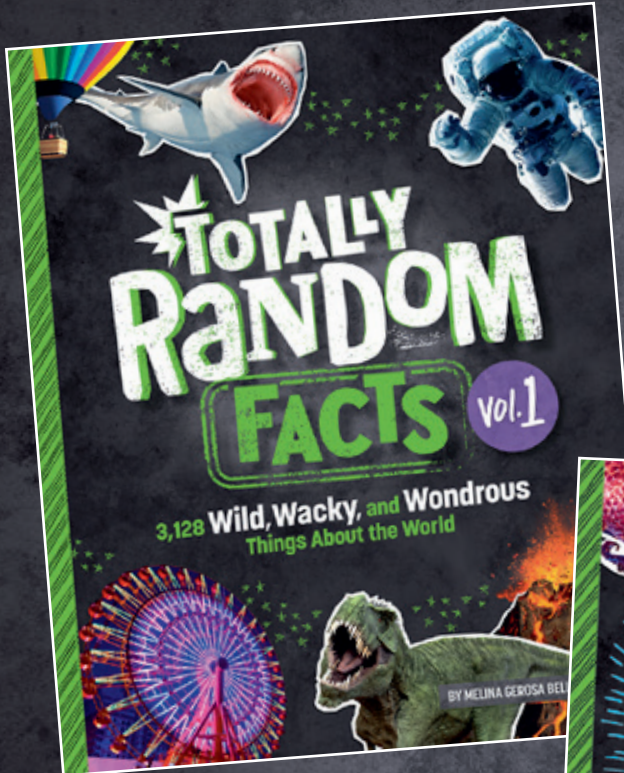
LY
DOM
QUESTIONS

HE
ME!

Watch this!

TOTALLY RANDOM FACTS

for totally cool classrooms!



Like keeping it random? Check out the **TOTALLY RANDOM FACTS** series!