

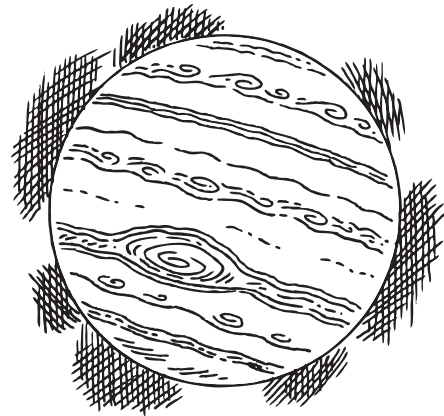
Lian and Owen were in a store. They wanted to buy a poster of the solar system to hang on the wall. Owen looked at several posters that looked more like charts or diagrams. They weren't **realistic** at all. Owen shook his head and said, "I want a more realistic picture. I don't want a chart or diagram with boxes and simple line drawings. I want a poster with colored photographs taken with telescopes. I want one that shows the planets in order from the sun. I want one where you can tell what the biggest and smallest planets are."

"How about moons and the asteroid belt?" asked Lian. "Do you want them in the poster, too?"

"I want the asteroid belt, but I don't need moons," replied Owen. "Jupiter and Saturn have over 60 moons each! All those moons would clutter up the picture. Earth is easy because it has only one moon. Mercury and Venus are the easiest because they don't have any moons at all."

"Look at this one!" said Lian in excitement as she held up a poster. "It's got the sun, planets, and the asteroid belt. It even has a chart where it tells us how to find our weight on other planets!"

Owen took one look and said, "That's the one I want! They have the asteroid belt between Jupiter and Saturn. Saturn is the largest planet, and they show its huge rings. They have Earth fourth from the sun. Earth is next to Mars, the smallest planet. They have Pluto, but they tell you it is a dwarf planet, not a regular planet. They even have a phrase to help you remember the order of the planets: My Very Educated Mother Just Served Us Nachos! The first letter of each word is the beginning letter of a planet."



"Are you sure that's correct?" asked Lian as she looked at the poster.

"Yes," said Owen. "They don't need a word that ends with 'P' because Pluto is just a dwarf planet. Let's go ahead and buy this so we can use the chart to figure out our weights on every planet!"

"No, we shouldn't," answered Lian. "That chart is not realistic at all. It has four wrong facts on it."

Planet Poster (cont.)

What does Lian know that Owen doesn't? It is time to check facts.

Thesaurus



1. Which word is not a synonym for *realistic*?
Ⓐ real Ⓑ life-like Ⓒ natural Ⓓ impossible
2. Which would be more realistic, a cartoon or a movie with real actors? Why?

Calculator



If a person weighed 75 pounds, how much would that person weigh on . . .

1. Mercury: $75 \times .38 =$ _____
2. Venus: $75 \times .91 =$ _____
3. Mars: $75 \times .38 =$ _____
4. Jupiter: $75 \times 2.36 =$ _____
5. Saturn: $75 \times .91 =$ _____
6. Uranus: $75 \times .89 =$ _____
7. Neptune: $75 \times 1.12 =$ _____

Image Search



Look at images of Saturn. Does Saturn have rings? **Yes** **No**

Search Engine/Encyclopedia

Was the information on the poster correct? Write **True** or **False**. If your answer is **False**, cross out the incorrect word(s) and write the correct word(s) on the line.



- _____ 1. The asteroid belt is between Jupiter and Saturn. _____
- _____ 2. Saturn is the largest planet. _____
- _____ 3. Earth is fourth from the sun. _____
- _____ 4. Earth is next to Mars. _____
- _____ 5. Mars is the smallest planet. _____

In Your Own Words

On a separate piece of paper, explain how the phrase My Very Educated Mother Just Served Us Nachos can help you remember the order of the planets. Say which words refer to which planets. Then, think of a new phrase or change some words in the old one.

In Your Own Words

All facts are correct, except there were only 13 stars.
There were not 50 states until 1959.

Fact Find #6: Visitor from Kenya

Dictionary:

1. Possible answers include *one of a kind* and *unlike any other*.
2. B

Metric Converter:

1. 70 mph
2. 6 feet
3. 600 pounds
4. 10 inches

Temperature Converter:

1. 82.4°F
2. Yes

Translator:

1. Hello (Are you well?)
2. two animals of Kenya
3. Thank you, and goodbye.

Atlas:

1. False, West, East
2. False, Atlantic, Indian

Fact Find #7: Charlatan's Gold

Dictionary:

1. Possible answers include *fraud*, *fake*, and *imposter*.
2. A

Currency Converter: Answers depend on the current exchange rate.

5. The greater number may not have greater worth.

Calculator:

1. 29.3 pounds
2. 175.6 pounds
3. 878 pounds

In Your Own Words

Mr. Charlatan could not have lifted such a heavy bag full of gold.

Fact Find #8: Planet Poster

Thesaurus:

1. D
2. movie because of real people

Calculator:

1. Mercury = 28.5 pounds
2. Venus = 68.3 pounds
3. Mars = 28.5 pounds
4. Jupiter = 177 pounds
5. Saturn = 68.3 pounds
6. Uranus = 66.8 pounds
7. Neptune = 84 pounds

Image Search: yes

Search Engine/Encyclopedia:

1. False, Saturn, Mars
2. False, Saturn, Jupiter
3. False, fourth, third
4. True
5. False, Mars, Mercury

Fact Find #9: North Pole Journal

Thesaurus:

1. Possible answers include *current*, *future*, *later*, and *present*.
2. A

Translator:

1. fake journals or fake diaries
2. Accept appropriate responses.

Currency Converter:

Answers depend on the current exchange rate.
Possible answers might be . . .

1. about \$70
2. \$5, \$28

Atlas:

1. True
2. True
3. False, a continent, ice over water

Search Engine/Encyclopedia:

1. Southern Hemisphere
2. Arctic
3. Arctic