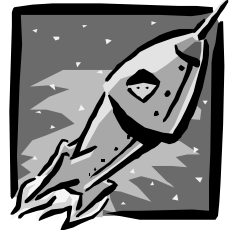


Spaced Out



UPPER PRIMARY

Interpreting Information.

Read the following information carefully and answer the questions below.

	Mercury	Venus	Earth	Mars	Jupiter	Saturn	Uranus	Neptune	Pluto
Mean distance from sun (*AU)	0.39	0.72	1.0	1.52	5.20	9.54	19.18	30.06	29.44
Time taken to revolve around sun (years)	0.24	0.62	1.0	1.88	11.86	29.46	84.01	164.79	247.7
Mass (Earth = 1)	0.06	0.82	1.0	0.11	317.8	95.1	14.5	17.2	0.004
Time taken to revolve about axis	58.7 days	243 days	24 hours	24.6 hours	9.8 hours	10.67 hours	17.24 hours	16 hours	6.4 days
Known satellites around planet	0	0	1	2	16	20+	15	2	1

* A distance of 1 AU (Astronomical Unit) is equivalent to 150 million km

Source: Encarta 95

1. Approximately how far is the Earth from the sun? _____
2. Which planet is furthest from the sun? _____
3. In terms of mass, which planet is largest? _____
4. Which planet is smallest? _____
5. Which planet is most similar to Earth in the time taken to revolve around its own axis?

6. Which planets take less time than Earth to revolve around the sun? _____

7. In this data, what do you think is meant by the term 'satellite'? _____

Match Up.

Match these terms with their meanings.



Mars
Earth
gravity
planet

1. The third rock from the sun! _____
2. Any of the 9 celestial bodies that orbit the sun. _____
3. Planet named after the Roman god of war. _____
4. The force that keeps us grounded on Earth. _____

Acronyms. NASA is an acronym for the National Aeronautics and Space Administration. Can you find what these acronyms stand for?



GPO _____

PTO _____

AFL _____

DUI _____

ETA _____

ESP _____

WACA _____

EFTPOS _____

Order The Planets.



Alphabetically: _____

From smallest to largest (mass): _____

O	R	M
T	A	Y
S	N	O

Make as many words as you can from these letters. Can you find the mystery 9-letter word that means the study of stars?

Work It Out.

1. One quarter of 24 _____

2. $63 \div 7 =$ _____

3. Half of $\frac{1}{2}$ _____

4. $40 \times 500 =$ _____

5. $3.6 \times 100 =$ _____

6. $72 =$ _____ $\times 12$

7. $2 - 0.3 =$ _____

8. $210 \div 7 =$ _____

9. $2100 \div 700 =$ _____

10. $>$ or $<$: $= \frac{1}{4}$ $\frac{1}{3}$



Subtraction.

$$\begin{array}{r} 366 \\ -257 \\ \hline \end{array}$$

$$\begin{array}{r} 7683 \\ -4599 \\ \hline \end{array}$$

$$\begin{array}{r} \$18\,360.00 \\ -\$15\,592.75 \\ \hline \end{array}$$

$$\begin{array}{r} 750 \\ -639 \\ \hline \end{array}$$

$$\begin{array}{r} 9100 \\ -965 \\ \hline \end{array}$$

$$\begin{array}{r} \$360\,491.80 \\ -\$266\,855.06 \\ \hline \end{array}$$

$$\begin{array}{r} 489 \\ -296 \\ \hline \end{array}$$

$$\begin{array}{r} 3204 \\ -2946 \\ \hline \end{array}$$

Brainstrain. A store bought 21 stereos @ \$563 each and sold them for \$699 each. How much profit was made on the stereos all together? _____

Design. You are a famous space explorer who has just discovered a new life form. Though you're not sure if it is friendly or hostile, you have made some sketches showing that the alien has:

- *5 eyes
- *facial hair
- *a small mouth
- *wings
- *2 arms and 4 legs
- *scales on its body

Recreate your sketches on another page!



Eugene's Challenge.

Present a mini project about the planet of your choice. Include such information as:

- Facts and figures
- Diagrams
- Bibliography

Parent signature: _____