



Outer Limits



PRIMARY

Interpreting Information. Read the following information carefully before answering the questions below.

Space Exploration (adapted from Encarta 95)



By sending manned and unmanned probes into space we have learned much about the solar system and the universe.



The space age began with the launching of the satellite Sputnik 1 by the Union of Soviet Socialist Republics (USSR) in 1957.



In October 1958, the National Aeronautics and Space Administration (NASA) was formed in the United States.



During the next two decades, more than 1600 space craft were launched.



By the 1990s thousands of man-made objects – mostly used and now useless ‘space junk’ - were circling the earth.

1. What does NASA stand for? _____
2. In which year was Sputnik 1 launched? _____
3. In the two decades after NASA was formed, how many spacecraft were launched?

4. What do you think is meant by the term ‘space junk’? _____

5. What do you think have been some of the good things to have come from space exploration?

Cloze. Use the words from the list to fill in the blank spaces.

hostile space distant beings aliens friendly

There have been many movies about _____. Some feature human _____ that travel to _____ planets. Other films depict _____ that visit Earth. Some of these creatures are _____ while others are _____.

Antonyms. Write a word that has an opposite meaning to these words:

friendly _____
distant _____
enormous _____
exciting _____
create _____





Pass the Popcorn!

Make a list of movies and television shows that have a space theme. For the ones that you have seen write a brief one-line summary about what it is about. Come up with a rating system and give the movies a rating depending on how much or how little you like it.



Work It Out!

- $3 \times 9 = \underline{\quad}$
- $4 \times \underline{\quad} = 32$
- $16 \div 4 = \underline{\quad}$
- $6 \times \underline{\quad} = 42$
- $5000 + 700 + 20 + 6 = \underline{\quad}$
- $60 \div 12 = \underline{\quad}$
- Divide 36 by 4 $\underline{\quad}$
- 8 groups of 5 $\underline{\quad}$
- Half of 32 = $\underline{\quad}$
- 3, 6, 12, 24, $\underline{\quad}$



Subtraction.

$$\begin{array}{r} 695 \\ - 323 \\ \hline \end{array}$$

$$\begin{array}{r} 589 \\ - 279 \\ \hline \end{array}$$

$$\begin{array}{r} 738 \\ - 607 \\ \hline \end{array}$$

$$\begin{array}{r} 715 \\ - 325 \\ \hline \end{array}$$

$$\begin{array}{r} 800 \\ - 327 \\ \hline \end{array}$$

$$\begin{array}{r} 670 \\ - 429 \\ \hline \end{array}$$

$$\begin{array}{r} 905 \\ - 427 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ - 489 \\ \hline \end{array}$$

$$\begin{array}{r} 712 \\ - 237 \\ \hline \end{array}$$

Design.



Design the ultimate space craft to take you to where no one has been before!

Construct a model or provide detailed blueprints on a new piece of paper.

Parent signature: _____

Brainstrain.

The planet Venus spins so slowly around its axis that 1 day on the planet equals 58 Earth days.

How many Earth days would pass if you were on Venus for one week?

Answer: _____

What about a year? _____

Eugene's Challenge.

Draw a diagram or construct a model of the solar system that shows:

☉ The approximate position of the nine planets to the sun

☾ The approximate difference in size between the planets

