

Reference Math

Below are a series of reference activities which are then added, subtracted, multiplied, or divided to reach the final answer. There are no fractions or remainders. Answers can be found in the World Book Encyclopedia, though most are contained in other sources as well.

**E
N
C
Y
C
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A**

- A.
1. Begin with the age at which V. I. Lenin learned to read. _____
 2. Multiply by the number of years Ulysses' journey lasted. _____
 3. Multiply by the largest number of chambers a single-shot revolver has.

 4. Divide by the number of John Aaron Lewis's stream music. _____
 5. Divide by the number of words in Edison's first message on the phonograph.

 6. Multiply by the number of the Constitutional Amendment that gave Washington, D.C. three votes in the electoral college. _____
 7. Add the number of the acronym of Saul Alinsky's Woodlawn Organization.

 8. Divide by the number James I became when he was made King of Scotland.

 9. Add the number of the last pope named John. _____
 10. Divide by the number of Brazil's last monarch. _____

Answer: _____

- B. Using the pattern given above develop your own **Reference Math Quiz** for others to solve.

Observational Research Cards

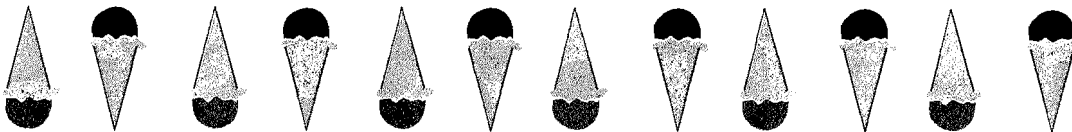
Homes

1. How many homes are on the street where you live? Count the homes on one block. _____

2. Look at homes on your way to school. What color do you see most?

3. What building material is most used in the homes on your street?

4. If you could add one room to your home what room would it be?



Desserts

Write the name of each dessert served in your school lunch for five days.

A. What dessert was served most? _____

B. Ask ten friends to name their favorite school lunch dessert. What dessert was named most? _____

C. Is this the dessert served most often? _____



Leadership

1. Research the meaning of *leadership*. Select four well-known leaders from the past. What qualities did they have in common?
2. Prepare a time line of world leaders beginning with the birth of Queen Victoria and ending with the death of John F. Kennedy. Include the issues and events of importance that took place between those two dates and show which leaders were most powerful.
3. Of the leaders you chose, list the major contribution of each. Which, in your opinion, was the greatest contribution to society? Be prepared to defend your answer.
4. Research the elements of a good speech. What in your opinion, was the greatest speech given in the last 100 years? Why did you select this particular speech over all others?

Lyrics (Rock)

Analyze the lyrics of four favorite rock songs. Answer these questions.

1. How many words in the lyrics would not be found in the dictionary ? What are they?
2. How many words in the lyrics would you guess a person over 40 would not understand? Give examples.
3. What words in the lyrics do not mean what they say? List the words and give both meanings.
4. Listen to one hour of rock music on the radio. List the songs played. How many were happy? How many told of sadness and despair? From this limited sample, what conclusions can you draw about rock music?