

Name \_\_\_\_\_

**Summer Mathematics Assignment**  
**Pre-Algebra Students**

1. This is your summer assignment if you are taking Pre-Algebra during the 2010-2011 school year.
  
2.    A. Do all of your work in the space provided. If you need additional space to complete a solution you may use an additional sheet. Be sure to write the **number** of the problem on that paper.  
  
      B. Hand in this packet and any additional sheets to your teacher at our first class session.  
  
      C. Do your work in PENCIL.  
  
      D. NO CALCULATOR.
  
3. This assignment will count as a 30 point quiz. For each day late, you will lose 2 points from the quiz grade.
  
4. All students entering Pre-Algebra will be expected to know the operations (addition, subtraction, multiplication and division) for whole numbers from 0 to 12. They can expect a quiz on these basic facts during the first week of school.

If you have any questions, please contact Mrs. Shrager at [jshrager@jbha.org](mailto:jshrager@jbha.org)

1. In the number 546,789, which digit tells the number of hundred thousands?

Add.

$$\begin{array}{r} 2. \quad 6811 \\ + 3178 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 45,889 \\ + 17,902 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 12 \\ \quad 8 \\ \quad 3 \\ \quad 7 \\ + \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 6203 \\ + 4312 \\ \hline \end{array}$$

Subtract.

$$\begin{array}{r} 6. \quad 7983 \\ - 4353 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 2974 \\ - 1935 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 8907 \\ - 2059 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 23,067 \\ - 17,892 \\ \hline \end{array}$$

Multiply.

$$\begin{array}{r} 10. \quad 4568 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 8876 \\ \times 600 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 65 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 678 \\ \times 788 \\ \hline \end{array}$$

Divide.

$$14. \quad 15 \div 4$$

$$15. \quad 420 \div 6$$

$$16. \quad 89 \overline{) 8633}$$

$$17. \quad 44 \overline{) 35,428}$$

Round 34,578 to the nearest:

18. Thousand.

19. Ten.

Use  $<$  or  $>$  for  $\square$  to write a true sentence.

20.  $34 \square 17$

21.  $117 \square 157$

Estimate the sum, difference, or product by first rounding to the nearest hundred. Show your work.

22.

$$\begin{array}{r} 23,649 \\ + 54,746 \\ \hline \end{array}$$

23.

$$\begin{array}{r} 54,751 \\ - 23,649 \\ \hline \end{array}$$

24.

$$\begin{array}{r} 824 \\ \times 489 \\ \hline \end{array}$$

Show your work:

25. A sack of oranges weighs 27 lb. A sack of apples weighs 32 lb. Find the total weight of 16 bags of oranges and 43 bags of apples.

26. A box contains 5000 staples. How many staplers can be filled from the box if each stapler holds 250 staples?

show your work:

27. *Hostess Ding Dongs®.* Hostess packages its Ding Dong® snack products in 12-packs. It manufactures 22,231 cakes. How many 12-packs can it fill? How many will be left over?



28. *Largest States.* The following table lists the five largest states in terms of their land area. Find the total land area of these states.

STATE	AREA (In Square Miles)
Alaska	571,951
Texas	261,797
California	155,959
Montana	145,552
New Mexico	121,356

29. *Pool Tables.* The Hartford™ pool table made by Brunswick Billiards comes in three sizes of playing area, 50 in. by 100 in., 44 in. by 88 in., and 38 in. by 76 in.
- Find the perimeter and the area of the playing area of each table.
  - By how much playing area does the large table exceed the small table?

30. *Voting Early.* In the 2004 Presidential Election, 345,689 Nevada voters voted early. This was 139,359 more than in the 2000 election. How many voted early in Nevada in 2000?