

Placement Test Instructions

This placement test can help you determine whether your child is ready for the Math 4 Teaching Textbook. The test is not perfect, so in making any final placement decision also use common sense.

The student should work independently without the use of a calculator. It is not necessary to time the test, but most students will finish in less than $1\frac{1}{2}$ hours.

Scoring

The test is divided into two sections. Section 1 includes problems 1 – 15. This is the simpler part of the test, covering whole numbers. Section 2 includes problems 15 – 30. It is the more difficult part of the test, covering fractions and decimals.

The student is probably ready for Math 4 if he/she makes the following scores on the two sections.

**10 or more correct on Section 1 (problems 1 – 15)
and 8 or more correct on Section 2 (problems 16 – 30),**

If the student's score falls below this level, our new Math 3 Teaching Textbook (which is coming out in the Fall of 2009) is probably a better starting point.

Math 4 Placement Test**Section 1**

1. What does the 8 stand for in 831?
A. 8
B. 80
C. 800
D. 808
E. 88
2. Write four hundred sixty-eight using digits.
3. Finish writing 274 in expanded form: $200 + \underline{\hspace{2cm}} + 4$

Add each group of numbers below.

4.
$$\begin{array}{r} 31 \\ + 27 \\ \hline \end{array}$$

5. $236 + 512$

6. $36 + 83$

$$+ \underline{\hspace{2cm}}$$

$$+ \underline{\hspace{2cm}}$$

Subtract each pair of numbers below using long subtraction.

7. $57 - 23$

8.
$$\begin{array}{r} 958 \\ - 621 \\ \hline \end{array}$$

9. $376 - 144$

$$\underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}}$$

10. Multiply each pair of numbers below.

1×1 _____

1×3 _____

1×4 _____

2×0 _____

2×2 _____

2×3 _____

3×1 _____

3×2 _____

3×4 _____

4×1 _____

4×3 _____

4×4 _____

11. Multiply each pair of numbers below.

5×6 _____

6×6 _____

6×7 _____

6×8 _____

7×6 _____

8×5 _____

8×7 _____

8×8 _____

Answer each question below.

12. Put the numbers in order from greatest to least: 68, 82, and 26.

13. What fraction of the trophies are shaded?



14. If there are 11 members in the club and 9 of them are boys, what fraction of the members are boys?

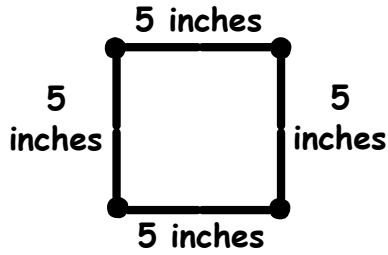
15. Match each figure below with the correct picture.

Triangle _____

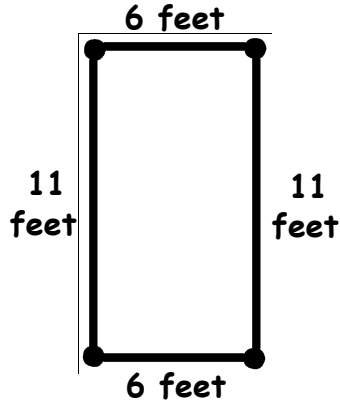
Square _____

Rectangle _____

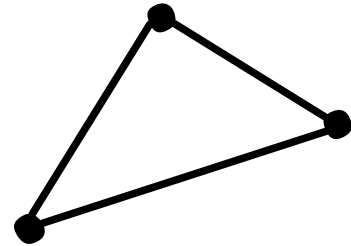
A.



B.



C.



Section 2

Find the missing number in each problem below.

16. $7 + \underline{\quad} = 15$

17. $12 - \underline{\quad} = 8$

18. $\underline{\quad} - 4 = 6$

Add each group of numbers below using long addition.

19.
$$\begin{array}{r} 73 \\ + 19 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 415 \\ + 127 \\ \hline \end{array}$$

21. $286 + 672$

+ _____

Subtract each pair of numbers below.

22. $65 - 34$

23.
$$\begin{array}{r} 497 \\ - 221 \\ \hline \end{array}$$

24. $94 - 58$

Multiply each pair of numbers below using long multiplication.

25.
$$\begin{array}{r} 43 \\ \times 2 \\ \hline \end{array}$$

26. 84×7

27. 251×3

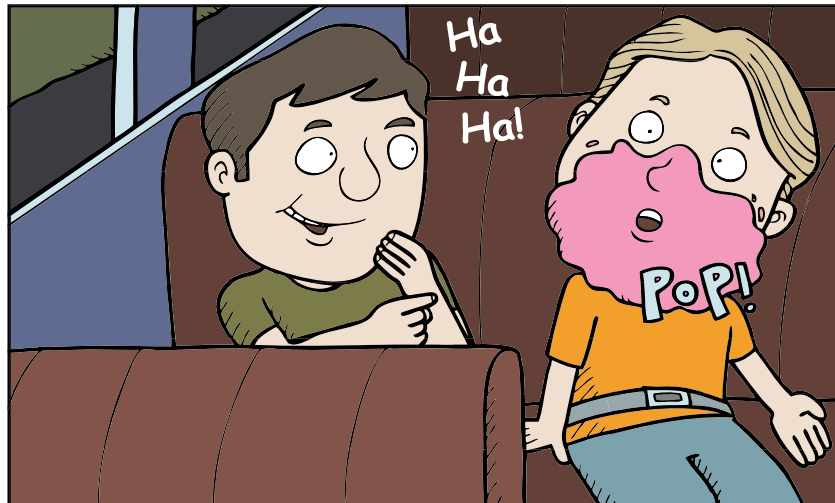
Answer each question below.

28. Tell whether a $<$, $>$, or $=$ should go between 967 _____ 679.

29. Find the next number in the sequence 9, 11, 13, 15, _____

Solve the word problem below.

30. If each of the 9 children was given 7 pieces of gum, how many pieces of gum were given out in total?



**MATH 4
PLACEMENT TEST**

1. C
2. 468
3. 70
4. 58
5. 748
6. 119
7. 34
8. 337
9. 232
10. $1 \times 1 = 1$ $1 \times 3 = 3$ $1 \times 4 = 4$
 $2 \times 0 = 0$ $2 \times 2 = 4$ $2 \times 3 = 6$
 $3 \times 1 = 3$ $3 \times 2 = 6$ $3 \times 4 = 12$
 $4 \times 1 = 4$ $4 \times 3 = 12$ $4 \times 4 = 16$
11. $5 \times 6 = 30$ $6 \times 6 = 36$ $6 \times 7 = 42$
 $6 \times 8 = 48$ $7 \times 6 = 42$ $8 \times 5 = 40$
 $8 \times 7 = 56$ $8 \times 8 = 64$
12. 82, 68, 26
13. $\frac{1}{7}$
14. $\frac{9}{11}$
15. Triangle C
Square A
Rectangle B
16. 8
17. 4
18. 10
19. 92
20. 542
21. 958
22. 31
23. 276
24. 36
25. 86
26. 588
27. 753
28. $967 > 679$
29. 17
30. 63 pieces of gum