

MATH 5 PLACEMENT TEST

Placement Test Instructions

This placement test can help you determine whether your child is ready for the Math 5 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 5 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 4 Teaching Textbook (which is coming out in the spring of 2008) is probably a better starting point.

Math 5 Placement Test

Section 1

1. Complete the following multiplication table.

	1	2	3	4	5	6	7	8
2		4			10			16
3	3			12			21	
4		8		16	20		28	
5	5		15			30	35	

2. Complete the following multiplication table.

	1	2	3	4	5	6	7	8
6		12			30			48
7	7		21	28		42		56
8	8		24		40		56	
9		18		36	45		63	72

3. Complete the following.

2,436 = ____ thousands ____ hundreds ____ tens ____ ones.

4. What does the highlighted digit in 461,607 stand for?

- | | | |
|--------------|------------------|----------------------|
| A. ones | B. tens | C. hundreds |
| D. thousands | E. ten thousands | F. hundred thousands |

Add or subtract (as required) each pair of numbers below.

5.
$$\begin{array}{r} 36 \\ + 85 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 975 \\ - 462 \\ \hline \end{array}$$

Answer each question below.

7. Rewrite 8×3 as the same number added to itself three times. _____

8. Rewrite $5 + 5 + 5 + 5 + 5 + 5$ as a multiplication. _____

Multiply each pair of numbers below.

9.
$$\begin{array}{r} 33 \\ \times 2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 723 \\ \times 3 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 5,224 \\ \times 4 \\ \hline \end{array}$$

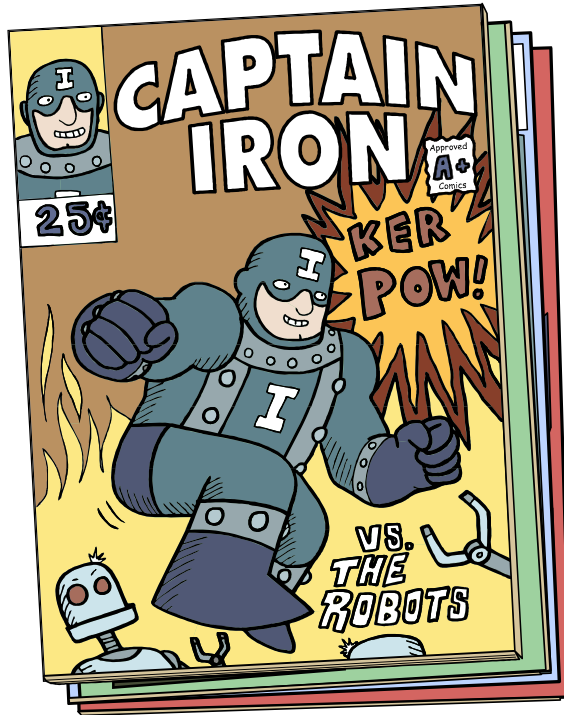
Divide each pair of numbers below. Write any remainders next to your answer.

12. $2 \overline{)14}$

13. $9 \overline{)81}$

Solve the word problem below.

14. Dwayne has 25 comic books and Christopher has 32 comic books. How many do the two boys have altogether? _____



15. Mrs. Smith bought 48 donuts but she gave away 36 of them. How many does she have left? _____



Section 2

Add or subtract (as required) each pair of numbers below.

$$16. \begin{array}{r} 82 \\ - 37 \\ \hline \end{array}$$

$$17. \begin{array}{r} 705 \\ - 214 \\ \hline \end{array}$$

$$18. \begin{array}{r} 34.9 \\ + 25.8 \\ \hline \end{array}$$

$$19. \begin{array}{r} 64.18 \\ - 25.46 \\ \hline \end{array}$$

$$20. \begin{array}{r} 4.7 - 3.12 \\ \\ \hline \end{array}$$

Multiply each pair of numbers below.

$$21. \begin{array}{r} 76 \\ \times 49 \\ \hline \end{array}$$

$$22. \begin{array}{r} 512 \\ \times 43 \\ \hline \end{array}$$

$$23. \begin{array}{r} 322 \\ \times 413 \\ \hline \end{array}$$

Divide each pair of numbers below. Write any remainders next to your answer.

$$24. 7 \overline{)50}$$

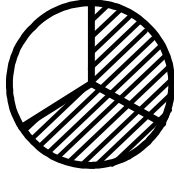
$$25. 4 \overline{)48}$$

$$26. 2 \overline{)138}$$

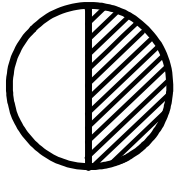
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27. Match each fraction on the left to the correct picture.

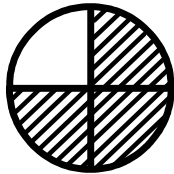
A. $\frac{1}{2}$



B. $\frac{3}{4}$



C. $\frac{2}{3}$



Add or subtract (as required) each pair of fractions below.

28. $\frac{3}{5} + \frac{1}{5}$ _____

29. $\frac{5}{7} - \frac{2}{7}$ _____

Answer each word problem below.

30. Lauren bought 5 bags of giant marshmallows at the store. If each bag had 24 giant marshmallows in it, how many giant marshmallows did she buy in total? _____



MATH 5 ANSWER KEY

**MATH 5
PLACEMENT TEST**

1.

	1	2	3	4	5	6	7	8
2	2	4	6	8	10	12	14	16
3	3	6	9	12	15	18	21	24
4	4	8	12	16	20	24	28	32
5	5	10	15	20	25	30	35	40

2.

	1	2	3	4	5	6	7	8
6	6	12	18	24	30	36	42	48
7	7	14	21	28	35	42	49	56
8	8	16	24	32	40	48	56	64
9	9	18	27	36	45	54	63	72

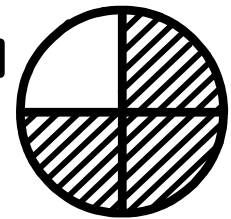
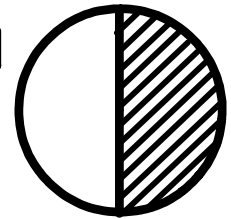
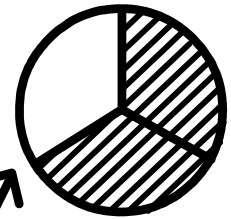
3. 2 thousands; 4 hundreds; 3 tens; 6 ones
4. F
5. 121
6. 513
7. $8+8+8$
8. 6×5 or 5×6
9. 66
10. 2,169
11. 20,896
12. 7
13. 9
14. 57 comic books
15. 12 donuts
16. 45
17. 491

18. 60.7
19. 38.72
20. 1.58
21. 3,724
22. 22,016
23. 132,986
24. 7 R1
25. 12
26. 69
- 27.

$$\frac{1}{2}$$

$$\frac{3}{4}$$

$$\frac{2}{3}$$



28. $\frac{4}{5}$
29. $\frac{3}{7}$
30. 120 giant marshmallows