

Placement Test Instructions

This placement test can help you determine whether your child is ready for the Math 6 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 6 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 5 Teaching Textbook (which is coming out in the fall of 2007) is probably a better starting point.

Math 6 Placement Test

Section 1

1. Complete the following multiplication table.

	1	2	3	4	5	6	7	8
1								
2		4		8				16
3					15			
4		8					28	

2. Complete the following multiplication table.

	4	7	2	8	3	1	9	5
2			4				18	
6		42			18			
4						4		
7	28							35

3. Complete the following.

7,253 = ____ thousands ____ hundreds ____ tens ____ ones.

MATH 6 PLACEMENT TEST

Add each group of numbers below.

4.
$$\begin{array}{r} 32 \\ + 46 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 571 \\ + 248 \\ \hline \end{array}$$

Subtract each group of numbers below.

6.
$$\begin{array}{r} 427 \\ - 13 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 51 \\ - 18 \\ \hline \end{array}$$

Multiply each group of numbers below.

8.
$$\begin{array}{r} 32 \\ \times 3 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 17 \\ \times 5 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 24 \\ \times 12 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 47 \\ \times 31 \\ \hline \end{array}$$

Divide each group of numbers below. Write any remainders next to your answer if necessary.

12. $2 \overline{)62}$

13. $568 \div 5$

14. $82 \div 3$

Solve the word problem below.

15. Granny made 34 candy apples and yesterday she gave away 22 of them. How many does she have left?



Section 2

Add or subtract each pair of numbers below.

16.
$$\begin{array}{r} 3.2 \\ + 9.1 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7.5 \\ - 2.4 \\ \hline \end{array}$$

18. $3.58 + 2.4$

+ _____

19. $2.37 + 6.91$

20. $4.27 - 3.8$

+ _____

- _____

MATH 6 PLACEMENT TEST

Add each pair of fractions below.

21. $\frac{1}{5} + \frac{2}{5}$ _____

22. $\frac{3}{9} + \frac{5}{9}$ _____

23. $2\frac{1}{7} + 1\frac{3}{7}$ _____

Multiply each pair of decimal numbers below.

24.
$$\begin{array}{r} 3.2 \\ \times 3 \\ \hline \end{array}$$

25. 3.5×4

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

26.
$$\begin{array}{r} 2.3 \\ \times 1.2 \\ \hline \end{array}$$

Reduce each fraction below.

27. $\frac{2}{8}$ _____

28. $\frac{9}{12}$ _____

Solve each word problem below.

29. Mr. Atkins bought 7 unopened packs of collectible baseball cards over the Internet. If each pack had 15 cards in it, how many cards did Mr. Atkins buy in all?



30. The Hefty Brothers need to move 48 crates of oranges into a warehouse. If they can move 4 crates at a time, how many trips will it take?



MATH 6 ANSWER KEY

**MATH 6
PLACEMENT TEST**

1.

	1	2	3	4	5	6	7	8
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

2.

	4	7	2	8	3	1	9	5
2	8	14	4	16	6	2	18	10
6	24	42	12	48	18	6	54	30
4	16	28	8	32	12	4	36	20
7	28	49	14	56	21	7	63	35

3. 7 thousands; 2 hundreds; 5 tens; 3 ones
4. 78
5. 819
6. 414
7. 33
8. 96
9. 85
10. 288
11. 1,457
12. 31
13. 113 R3
14. 27 R1
15. 12 candy apples
16. 12.3
17. 5.1
18. 5.98
19. 9.28
20. 0.47
21. $\frac{3}{5}$
22. $\frac{8}{9}$

23. $3\frac{4}{7}$
24. 9.6
25. 14
26. 2.76
27. $\frac{1}{4}$
28. $\frac{3}{4}$
29. 105 cards
30. 12 trips