## 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 and basics on fractions. 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, the Math 5 Teaching Textbook is probably a better starting point.

## Math 6 Placement Test

#### Section 1

Add or subtract each pair of numbers below.

1.	32	2	571
	+ 86	2.	+ 248

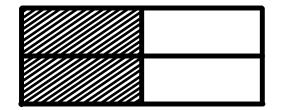
3.	876	1	4,459
	<u>- 429</u>	4.	- 1,286

Multiply each pair of numbers below.

**5.**  $\frac{17}{\times 5}$  **6.**  $\frac{47}{\times 36}$  **7.**  $\frac{512}{\times 43}$ 

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

- **8.**  $2\overline{)62}$  **9.**  $568 \div 5$  **10.**  $461 \div 9$
- **11.** Write a percent for the part of the whole that is shaded in the picture below.



**12.** Write 9% as a fraction.

Tell whether a <, >, = should go between the following fractions.

**13.** 
$$\frac{5}{7} - \frac{3}{7}$$
 **14.**  $\frac{2}{9} - \frac{1}{3}$ 

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.** 
$$2.37$$
 **17.**  $64.18$  **17.**  $-25.46$ 

+ –

Multiply each pair of decimal numbers below.

**20.** 
$$3.5 \times 4$$
 **21.**  $\frac{8.32}{\times 1.2}$ 

×

Add or subtract each pair of fractions below.

22. 
$$\frac{1}{5} + \frac{2}{5}$$
 \_\_\_\_\_ 23.  $2\frac{1}{7} + 1\frac{3}{7}$  \_\_\_\_\_  
24.  $\frac{3}{10} + \frac{6}{10} - \frac{2}{10}$  \_\_\_\_\_

Reduce each fraction below.

**25.** 
$$\frac{2}{8}$$
 \_\_\_\_\_ **26.**  $\frac{9}{12}$  \_\_\_\_\_

Convert each improper fraction below into a mixed number by dividing.

**27.** 
$$\frac{9}{4}$$
 \_\_\_\_\_ **28.**  $\frac{25}{7}$  \_\_\_\_\_

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 PLACEMENT TEST

1.	118
2.	819
	447
	3,173
5.	85
	1,692
	22,016
8.	31
	113 R3
	51 R2
11.	
12.	9
	100
13.	5 3
13.	$\frac{5}{7} > \frac{3}{7}$
14.	$\frac{2}{9} < \frac{1}{3}$
15	
15. 16.	12 candy apples 9.28
17.	38.72
	5.98
19.	
20.	14
21.	9.984
22	3
22.	$\frac{3}{5}$
	$3\frac{4}{7}$
23.	$3{7}$
24.	$\frac{7}{10}$
25.	1
201	4
26	3
26.	$\frac{\overline{4}}{3}$
27.	$2\frac{1}{4}$
28.	$3\frac{4}{7}$
•	•
<b>29.</b>	105 cards
30.	12 trips