

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.
$$\begin{array}{r} 32 \\ + 86 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 571 \\ + 248 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 876 \\ - 429 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4,459 \\ - 1,286 \\ \hline \end{array}$$

Multiply each pair of numbers below.

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

6.
$$\begin{array}{r} 47 \\ \times 36 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 512 \\ \times 43 \\ \hline \end{array}$$

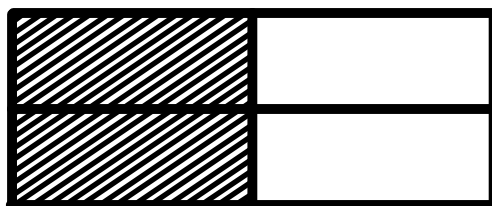
Divide each pair of numbers below. Write any remainders next to your answer if necessary.

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.
$$\begin{array}{r} 2.37 \\ + 6.91 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 64.18 \\ - 25.46 \\ \hline \end{array}$$

18. $3.58 + 2.4$

19. $4.7 - 3.18$

+ _____

- _____

Multiply each pair of decimal numbers below.

20. 3.5×4

21.
$$\begin{array}{r} 8.32 \\ \times 1.2 \\ \hline \end{array}$$

\times _____

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
3. 447
4. 3,173
5. 85
6. 1,692
7. 22,016
8. 31
9. 113 R3
10. 51 R2
11. 50%
12. $\frac{9}{100}$
13. $\frac{5}{7} > \frac{3}{7}$
14. $\frac{2}{9} < \frac{1}{3}$
15. 12 candy apples
16. 9.28
17. 38.72
18. 5.98
19. 1.52
20. 14
21. 9.984
22. $\frac{3}{5}$
23. $3\frac{4}{7}$
24. $\frac{7}{10}$
25. $\frac{1}{4}$
26. $\frac{3}{4}$
27. $2\frac{1}{4}$
28. $3\frac{4}{7}$
29. 105 cards
30. 12 trips