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 December of 2008) is probably a better starting point.

Math 5 Placement Test

Section 1

1. Write thirty-seven thousand, two hundred ninety-three using digits.

2. 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.

3.
$$\begin{array}{r} 36 \\ +\ 85 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 975 \\ -\ 462 \\ \hline \end{array}$$

Answer each question below.

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

6. Rewrite $5+5+5+5+5+5$ as a multiplication.

7. Multiply each pair of numbers below.

6×1 _____	6×3 _____	6×4 _____
6×6 _____	6×7 _____	7×2 _____
7×5 _____	7×7 _____	8×3 _____
8×4 _____	8×6 _____	8×8 _____
9×1 _____	9×3 _____	9×6 _____

8. Multiply each pair of numbers below.

8×5 _____	8×7 _____	8×9 _____
8×2 _____	9×5 _____	9×7 _____
9×9 _____	9×4 _____	9×2 _____
9×8 _____	6×5 _____	6×9 _____
6×8 _____	7×9 _____	7×6 _____
7×4 _____		

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

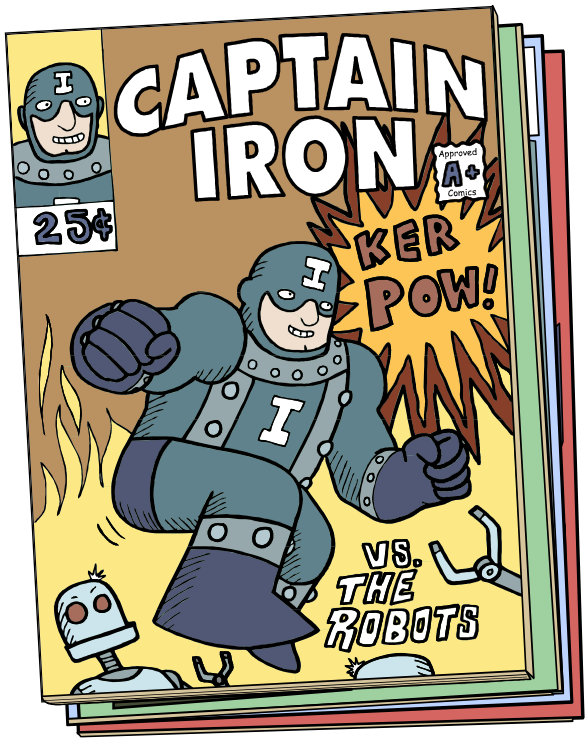
Divide each pair of numbers below.

12. $14\div2$

13. $81\div9$

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

17. $\begin{array}{r} 7.3 \\ -\ 2.4 \\ \hline \end{array}$

18. $9.17 - 3.8$

$-$ _____

Multiply each pair of numbers below.

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

20. $\begin{array}{r} 219 \\ \times\ 4 \\ \hline \end{array}$

21. $\begin{array}{r} 322 \\ \times 13 \\ \hline \end{array}$

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

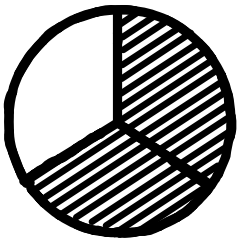
22. $5\overline{)65}$

23. $3\overline{)69}$

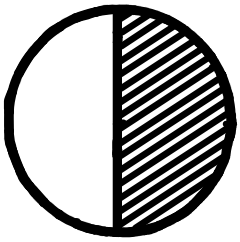
24. $2\overline{)135}$

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

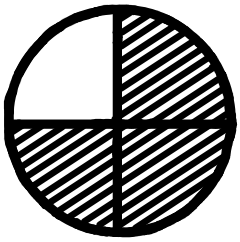
A. $\frac{1}{2}$



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



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



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

26. $\frac{3}{5}+\frac{1}{5}$

27. $\frac{5}{7}-\frac{2}{7}$

28. Calculate the value of 2 quarters, 2 dimes, and 1 nickel.

29. Lauren bought a balloon for $0.26. If she paid for the balloon with a 1 dollar bill, which of the choices below shows the best way to pay back her change?

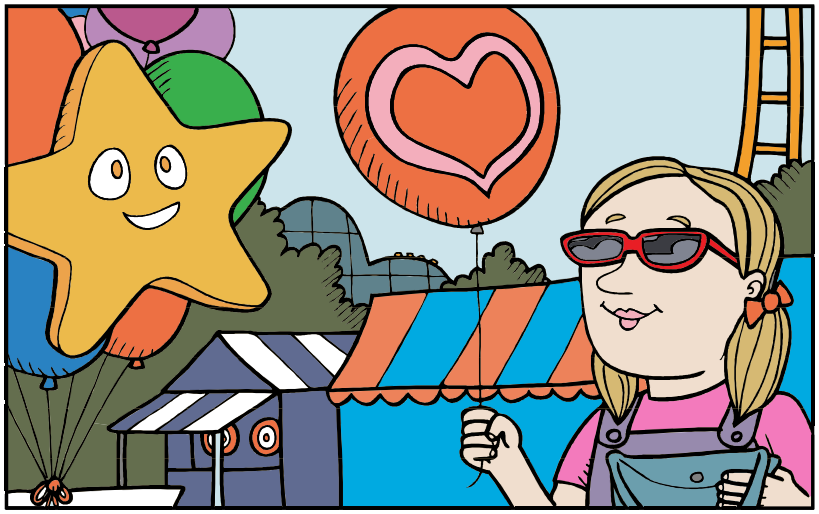
A. 2 quarters 2 dimes and 4 pennies

B. 2 quarters 1 dime and 2 pennies

C. 2 nickels and 3 pennies

D. 7 dimes and 4 pennies

E. 1 quarter 4 dimes and 5 pennies



Answer the 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
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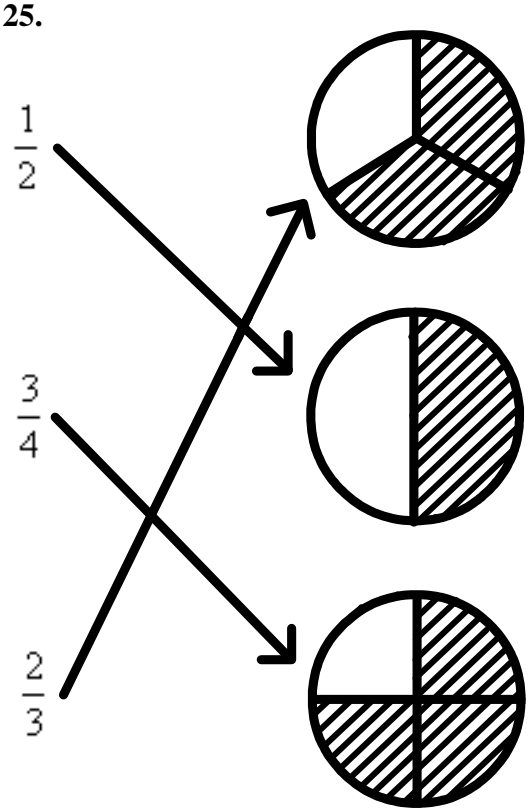
1. 37,293
2. F
3. 121
4. 513
5. $8+8+8$
6. 6×5 or 5×6
7.

$6\times1=6$	$6\times3=18$	$6\times4=24$
$6\times6=36$	$6\times7=42$	$7\times2=14$
$7\times5=35$	$7\times7=49$	$8\times3=24$
$8\times4=32$	$8\times6=48$	$8\times8=64$
$9\times1=9$	$9\times3=27$	$9\times6=54$

8.

$8\times5=40$	$8\times7=56$	$8\times9=72$
$8\times2=16$	$9\times5=45$	$9\times7=63$
$9\times9=81$	$9\times4=36$	$9\times2=18$
$9\times8=72$	$6\times5=30$	$6\times9=54$
$6\times8=48$	$7\times9=63$	$7\times6=42$
$7\times4=28$		

9. 66
10. 2,169
11. 20,896
12. 7
13. 9
14. 57 comic books
15. 12 donuts
16. 60.7
17. 4.9
18. 5.37
19. 85
20. 876
21. 4,186
22. 13
23. 23
24. 67 R1
25.



26. $\frac{4}{5}$
27. $\frac{3}{7}$
28. 75¢
29. A
30. 120 giant marshmallows