

# Placement Test (Pre-Program)

Name \_\_\_\_\_ Score \_\_\_\_\_

## Part 1 Answer each question.

408      4008      4807      480      3964      478

- a. Which number is largest? \_\_\_\_\_
- b. Which number is smallest? \_\_\_\_\_
- c. Which number has the smallest hundreds digit? \_\_\_\_\_
- d. How many digits are in 3964? \_\_\_\_\_
- e. What is the hundreds digit in 3964? \_\_\_\_\_

## Part 2 Figure out the answer to each question.

- a. Phyllis had 48 dogs. She bought another 36 dogs. How many dogs does Phyllis have now? \_\_\_\_\_
- b. A man had 74 stamps in his collection. He traded some stamps for coins. Now he has 46 stamps. How many stamps did he trade? \_\_\_\_\_
- c. A truck started out with 2085 pounds of gravel. It delivered 1290 pounds of gravel. How many pounds of gravel were still on the truck? \_\_\_\_\_

## Part 3 Work each item.

a.  $14 + \square = 14$

d.  $1 \times \square = 37$

f.  $58 - \square = 53$

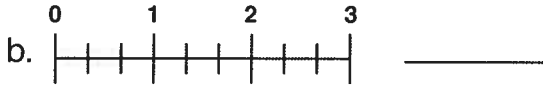
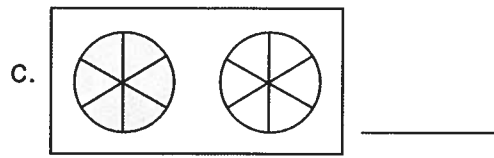
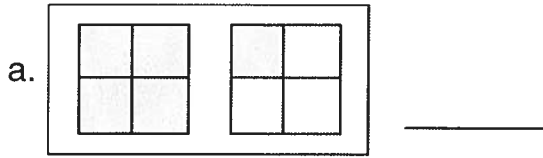
b.  $\square - 9 = 0$

e.  $26 \times \square = 0$

g.  $\square + 1 = 74$

c.  $3 \times 6 = \square$

**Part 4** Write the fraction for each diagram.



**Part 5** Work each item.

a. 
$$\begin{array}{r} 34 \\ \times 9 \\ \hline \end{array}$$

b. 
$$\begin{array}{r} 63 \\ \times 13 \\ \hline \end{array}$$

c. 
$$\begin{array}{r} 6005 \\ - 904 \\ \hline \end{array}$$

d. 
$$\begin{array}{r} 417 \\ 94 \\ + 159 \\ \hline \end{array}$$

e. 
$$\begin{array}{r} 406 \\ - 318 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 584 \\ \times 75 \\ \hline \end{array}$$

**Part 6** Work each item.

a.  $9 \overline{)936}$

b.  $4 \overline{)288}$

c.  $9 \overline{)89}$

d.  $3 \overline{)765}$

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Answer Key

<b>Part 1</b> Answer each question.	<b>Part total</b>	<b>Passing</b>
	5	0–1 errors

408      4008      4807      480      3964      478

- a. Which number is largest? 4807
- b. Which number is smallest? 408
- c. Which number has the smallest hundreds digit? 4008
- d. How many digits are in 3964? 4
- e. What is the hundreds digit in 3964? 9

<b>Part 2</b> Figure out the answer to each question.	<b>Part total</b>	<b>Passing</b>
	3	0–1 errors

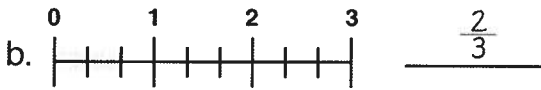
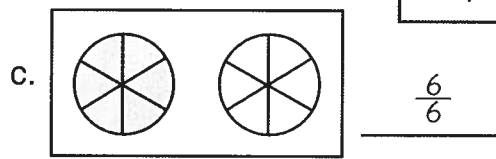
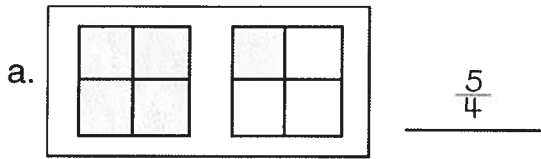
- a. Phyllis had 48 dogs. She bought another 36 dogs. How many dogs does Phyllis have now? 84 (dogs)
- b. A man had 74 stamps in his collection. He traded some stamps for coins. Now he has 46 stamps. How many stamps did he trade? 28 (stamps)
- c. A truck started out with 2085 pounds of gravel. It delivered 1290 pounds of gravel. How many pounds of gravel were still on the truck? 795 (pounds)

<b>Part 3</b> Work each item.	<b>Part total</b>	<b>Passing</b>
	7	0–1 errors

- a.  $14 + \boxed{0} = 14$
- b.  $\boxed{9} - 9 = 0$
- c.  $3 \times 6 = \boxed{18}$
- d.  $1 \times \boxed{37} = 37$
- e.  $26 \times \boxed{0} = 0$
- f.  $58 - \boxed{5} = 53$
- g.  $\boxed{73} + 1 = 74$

**Part 4** Write the fraction for each diagram.

Part total	Passing
4	0–1 errors



**Part 5** Work each item.

Part total	Passing
6	0–1 errors

a. 
$$\begin{array}{r} 34 \\ \times 9 \\ \hline 306 \end{array}$$

b. 
$$\begin{array}{r} 63 \\ \times 13 \\ \hline 186 \\ + 620 \\ \hline 806 \end{array}$$

c. 
$$\begin{array}{r} 6005 \\ - 904 \\ \hline 5101 \end{array}$$

d. 
$$\begin{array}{r} 417 \\ 94 \\ + 159 \\ \hline 670 \end{array}$$

e. 
$$\begin{array}{r} 406 \\ - 318 \\ \hline 88 \end{array}$$

f. 
$$\begin{array}{r} 584 \\ \times 75 \\ \hline 2920 \\ + 40880 \\ \hline 43800 \end{array}$$

**Part 6** Work each item.

Part total	Passing
4	0–1 errors

a. 
$$9 \overline{) 936} \begin{array}{l} 104 \end{array}$$

b. 
$$4 \overline{) 288} \begin{array}{l} 72 \end{array}$$

c. 
$$9 \overline{) 89} \begin{array}{l} 9 \frac{8}{9} \\ \text{(or } 9 \text{ r}8) \end{array}$$

d. 
$$3 \overline{) 765} \begin{array}{l} 255 \end{array}$$