

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

EXAMINER: \_\_\_\_\_

**DIRECTIONS:** Divide.

1. a.	$1,645 \div 5$	b.	$8 \overline{) 3,576}$	c.	$11,106 \div 6$	d.	$24 \overline{) 1,224}$	e.	$6,324 \div 68$	f.	$74 \overline{) 16,132}$
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**DIRECTIONS:** Add or subtract.

2. a.	$\frac{1}{2} + \frac{3}{2}$	b.	$\frac{5}{3} - \frac{5}{2}$	c.	$\frac{3}{4} + \frac{1}{8}$	d.	$\frac{12}{7} - \frac{6}{1}$	e.	$1\frac{8}{3} + 2\frac{1}{4}$	f.	$3\frac{1}{2} - 1\frac{5}{12}$
g.	$0.05 + 1.23$	h.	$3.49 - 1.36$	i.	$5.93 + 3.07$	j.	$9.16 - 7.38$	k.	$0.716 + 0.233$	l.	$3.824 - 1.506$

**DIRECTIONS:** Complete the table.

3.				
	Solid Figure	Shapes of Faces	Number of Faces	Number of Edges
a.	rectangular prism			
b.	rectangular pyramid			

**DIRECTIONS:** Find the surface area and volume of each figure:

4. a.	a cube with sides 12 centimeters long	surface area	volume
b.	a gift box 12 inches long, 8 inches wide, and 4 inches high	surface area	volume

# M-6 Fifth-Grade Placement Test

## Overview

This assessment focuses on the student's ability to solve fifth-grade mathematics problems.

### SKILL

Solves fifth-grade mathematics problems

### ASSESSMENT METHOD

Individual or Group Written Response

### MATERIALS

- Copy of page S-388
- A pencil
- Scratch paper

### SCORING INFORMATION

Record results on page 38 of the student's *Record Book*. Give credit for each correct response. Accuracy of at least 80% (24/30) indicates mastery of solving fifth-grade mathematics problems.

### OBJECTIVE FOR WRITING IEPs

By \_\_\_\_ (date) \_\_\_\_, when given fifth-grade mathematics problems, \_\_\_\_ (student's name) \_\_\_\_ will solve the problems with at least 80% accuracy.

## Directions for Assessment: Written Response

Give the student a copy of page S-388, a pencil, and scratch paper. Point out the DIRECTIONS to the student. If necessary, give help understanding the DIRECTIONS.

**Say: Solve as many problems as you can. Keep working until you are finished or I tell you to stop.**

### SKILL ANALYSIS AND ANSWERS FOR PAGE S-388

#### 1. Divides whole numbers

a. 329   b. 447   c. 1,851   d. 51   e. 93   f. 218

#### 2. Adds and subtracts fractions and decimals

a. 1   b.  $\frac{1}{5}$    c.  $\frac{7}{8}$    d.  $\frac{5}{12}$    e.  $3\frac{5}{8}$    f.  $2\frac{1}{12}$   
g. 1.28   h. 2.13   i. 9   j. 1.78   k. 0.949   l. 2.318

#### 3. Describes properties of three-dimensional figures

Solid Figure	Shapes of Faces	Numbers of Faces	Numbers of Edges	Numbers of Vertices
a. rectangular prism	rectangles	6	12	8
b. rectangular pyramid	rectangles and triangles	5	8	5

#### 4. Finds surface area and volume of rectangular prisms

a. surface area =  $864 \text{ cm}^2$   
volume =  $1,728 \text{ cm}^3$       b. surface area =  $352 \text{ in.}^2$   
volume =  $384 \text{ in.}^3$