### **Mathematics Curriculum Worksheets**

### Line Measurement

Color Group \_\_\_\_\_

Use your ruler to measure the length of each of these lines. Place your answers in centimeters in the spaces provided.



## Introduction to Perimeter

Color Group \_\_\_\_\_

The distance around a figure is the **perimeter**. You find the **perimeter** of a figure by adding the lengths of the sides.

Use your ruler and measure the length in centimeters of each side of the rectangle shown below. Put your answers in the spaces at the bottom of the page. Add the lengths of the four sides to find the **perimeter**.



Add the lengths of each side of the rectangle to find the **perimeter** of the rectangle.



#2A

## **Calculating Perimeter**

#### Color Group \_\_\_\_

Use your ruler and measure the length in centimeter of each side of shapes shown below. Put your answers in the spaces besides each shape. Add the lengths of the four sides to find the **perimeter**.



## Perimeter of Rectangles

### Color Group \_\_\_\_\_

Use your ruler and measure the **perimeter** of the rectangles and squares below. Place your answers in centimeters in the spaces provided.



### More Practices with Perimeter of Rectangles

#### Color Group \_\_\_\_\_

Use your ruler and measure the **perimeter** of the rectangles and squares below. Place your answers in centimeters in the spaces provided.



## Perimeter of Polygons

Color Group

As you learned in a previous activity, the distance around a figure is the **perimeter**. We add the length of all the sides to find the **perimeter**. Measure each figure below and find the **perimeter**. Place your answers in centimeters in the spaces provided.



## **Practicing Perimeter**

Color Group

As you learned in a previous activity, the distance around a figure is the **perimeter**. We add the length of all the sides to find the **perimeter**. Measure each figure below and put your measurements on the lines by each figure. Add the lengths of each side and place you answers in centimeters in the space provided.



## **Multiple Sided Perimeters**

Color Group \_

We add the length of all the sides of a figure to find the **perimeter**. Measure each figure below and put your measurements on the lines by each figure. Add the lengths of each side and place your answers in centimeters in the spaces provided.



## Introduction to Area

Color Group \_\_\_\_\_

The **area** of a figure is the number of **square units** needed to cover that figure. The **square unit** we will use is a square centimeter. Use the grid squares as units. Count the number of square units in each figure to find its area. Give the area of each figure in square centimeters.

### 1 2 3 4 5 Α. 7 6 8 9 10 A. В.\_\_\_\_ C. Β. D.\_\_\_\_ E. \_\_\_\_\_ C. F. D. Ε. F.

#### 1 square = 1 square centimeter

#8

## Calculating Area

Color Group

Counting the square units is not the easiest way to find the **area** of a figure. You can find the **area** of a rectangular region by multiplying the **length** by the **width**. Multiple the **length** by the **width** to find the areas of the rectangles below.



#### Area = Length X Width

#9

## Area Calculations

#### Color Group \_\_\_\_\_

Find the **area** of the rectangle regions below by multiplying the **length** by the **width**. Write your answers in square centimeters.



### More Fun with Area Calculations

#### Color Group \_\_\_\_\_

Find the **area** of the rectangle regions below by multiplying the **length** by the **width**. Write your answers in square centimeters.



## Measuring and Calculating Area

#### Color Group \_\_\_\_\_

Use your ruler to measure the **length** and **width** of the rectangles below. Find the **area** of each rectangle by multiplying the **length** by the **width**. Take your measurements in centimeters and write your answers in square centimeters. Write your answers on the lines at the bottom of the page.



## Introduction to Squares

Color Group \_\_\_\_\_

Squares are special types of rectangles. Since all four sides of a square are the same length, you can find the **perimeter** of a square by multiplying the **length** of one side by 4.

The area of a square is calculated the same way the area of a rectangle is calculated. Since the **length** and **with** of a square are the same, you can calculate the area by measuring any side and multiplying that number by itself. We call this squaring the number.



## Square Area and Perimeter

#### Color Group \_

Use your ruler to measure the **length** and **with** of the squares below. Find the **area** and **perimeter** of each square. Take your measurements in centimeters and write your answers in square centimeters and centimeters. Write your answers on the lines at the bottom of the page.



#13B

### Desk Plan

This plan shows what a desk could look like from above. Each square in the desk plan is equal to one square centimeter. Using the items on the desk, answer the questions on the next page. PIECE OF PAPER - 5 cm x 7 cm

TELEPHONE - 4 cm x 3 cm

**BOOK** - 3 cm x 5 cm

ERASER - 4 cm x 2 cm

PENCIL - 5 cm x 1 cm



### Desk Plan

Color Group \_\_\_\_\_

1. What is the length of the desk?

2. What is the width of the desk?

3. How many square centimeters is the desk?

4. How many square centimeters does each item below cover?

PAPER \_\_\_\_\_ TELEPHONE \_\_\_\_\_ BOOK \_\_\_\_\_

ERASER \_\_\_\_\_ PENCIL \_\_\_\_\_

\_\_\_\_\_

- 5. How many square centimeters will all five items cover?
- 6. How many square centimeters will be left on the desk after each item is placed?

## Area and Perimeter

Color Group \_\_\_\_\_

Find the **area** and **perimeter** of each of the rectangles and figures below. Answer the questions at the bottom of the page when you are finished.



7. Are the area and the Perimeter of a shape always the same?

8. Do rectangles which have the same **area** always have the same **perimeter**?

# Triangle Height and Base

#### Color Group

The width of a triangle is called the **base**. The **height** if a triangle is the distance straight up from the baseline to the top of the triangle.



# Finding Height and Base

Color Group \_\_\_\_\_

Find the **base** and **height** of each of the triangles below. The first triangle has been completed for you.



## Practice Finding Height and Base

Color Group \_\_\_\_\_

Find the **base** and **height** of each of the triangles below.



### **One-Half**

Color Group \_\_\_\_\_

One-half of 2 is 1.

One-half of 6 is 3.

On-half of 24 is 12.

- A. What is one-half of 4?
- B. What is one-half of 8?
- C. What is one-half of 40?
- D. What is one-half of 22?
- E. What is one-half of 64?
- F. What is one-half of 36?
- G. What is one-half of 50?
- H. What is one-half of 72?

#18

# **Triangle Areas**

#### Color Group \_\_\_\_

You learned that the **area** of rectangle is found by multiplying the **length** by the **width**. The **length** of the rectangle below is 5 centimeters. The **width** of the rectangle is 4 centimeters. The **area** of the rectangle is 20 square centimeters.



## **Triangle Areas**

Color Group \_\_\_\_\_

Find the **area** of each of the rectangles below.



## More Triangle Areas

Color Group \_\_\_\_\_

Find the **area** of each of the rectangles below.



# **Estimating Circle Area**

#### Color Group

The **area** of an object is the number of square units it covers. As you already learned, one way to find the **area** is to count the number of square units the object covers. Sometimes an object covers only part of a square unit. When this happens, you need to find another part of a square unit that is covered and count the two units as one.



## **Practicing Circle Area**

#### Color Group

Count how many squares the circles below cover. Put a check in each square after you count it. If only part of a square is covered, find another part of a square and count the two parts as one full square. Write what you think the **area** is on the lines below each circle.



# Other Shape Areas

#### Color Group \_

Count how many squares the shapes below cover. Put a check in each square after you count it. If only part of a square is covered, find another part of a square and count the two parts as one full square. Write what you think the **area** is on the lines below each shape.



#23