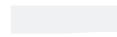


NAME: \_\_\_\_\_



# Activity One



**a) Use a ruler to draw the following figures. Then, calculate the area of each figure.**

- i) A rectangle with a length of 2 in (5 cm) and a height of 0.5 in (1.3 cm).
  
- ii) A square with a length of 1.6 in (4 cm).
  
- iii) A triangle with a height of 0.8 in (2 cm) and a base of 1.6 in (4 cm).
  
- iv) A rectangle with a length of 2 in (5 cm) and a height of 1.2 in (3 cm).
  
- v) A triangle with the height of 1 in (2.5 cm) and a base of 2 in (5 cm).
  
- vi) A square with a length of 3 in (7.6 cm).



## Activity Two

a) Look at the charts below. It gives information about a variety of shapes and each shape's area. But some of the information is missing. Complete the chart based on what you know about the different shapes.

Triangle	Base	Height	Area
A	2 inches (5 cm)		20 sq. in (126.25 sq. cm)
B		2.5 inches (6 cm)	3.125 sq. in (18 sq. cm)
C	4 inches (10 cm)		16 sq. in (100 sq. cm)
D		2 inches (5 cm)	12 sq. in (75 sq. cm)
E		1 inch (2.5 cm)	4 sq. in (25 sq. in)

Rectangle	Length	Width	Height
F	1.2 inches (3 cm)		3.6 sq. in (24 sq. cm)
G	2 inches (5 cm)		18 sq. in (115 sq. cm)
H		3 inches (7.5 cm)	24 sq. in (150 sq. cm)
I		2 inches (5 cm)	42 sq. in (270 sq. cm)
J	2 inches (5 cm)		22 sq. in (140 sq. cm)

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



# Activity Three

**a) You empty your pocket. You have less than 10 coins. They add up to fifty-five cents, total. What possible coin combinations could you have to total 55 cents? List them in the table below.**

Combination One	Coins:
Combination Two	Coins:
Combination Three	Coins:
Combination Four	Coins:
Combination Five	Coins:
Combination Six	Coins:
Combination Seven	Coins:
Combination Eight	Coins:
Combination Nine	Coins:
Combination Ten	Coins:

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



# Activity Four

a) Look at the chart below. Your job is to time yourself doing a variety of activities at school during the course of the day. This could be as simple as eating a snack, walking to a classroom, or doing math work. List your activity, then count how many minutes and seconds it takes you to do each activity.

Activities	Minutes	Seconds
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

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



# Activity Five

**a) Look at the measurements below. Write two other measurements that each measurement equals to.**

i) 1 gallon: \_\_\_\_\_

ii) 8 quarts: \_\_\_\_\_

iii) 3 kiloliters: \_\_\_\_\_

iv) 2,500 liters: \_\_\_\_\_

v) 10 cups: \_\_\_\_\_

**b) Complete the length measurement conversions below.**

i) 18 inches = \_\_\_\_\_ feet

ii) 30 cm = \_\_\_\_\_ mm

iii) 2 km = \_\_\_\_\_ m

iv) 24 feet = \_\_\_\_\_ yards

v) 7.5 feet = \_\_\_\_\_ inches

vi) 800 mm = \_\_\_\_\_ cm

**c) Complete the weight measurement conversions below.**

i) 24 oz = \_\_\_\_\_ lbs

ii) 8 g = \_\_\_\_\_ mg

iii) 1700 mg = \_\_\_\_\_ kg

iv) 5 lbs = \_\_\_\_\_ oz

v) 1.2 tons = \_\_\_\_\_ lbs

vi) 13.52 kg = \_\_\_\_\_ g



# Activity Six

a) Look at the rectangles below. Determine the perimeter of each rectangle based upon the dimensions shown.

i)



1 inch  
(2.5 cm)

1.5 inches (4 cm)

Perimeter = \_\_\_\_\_

ii)

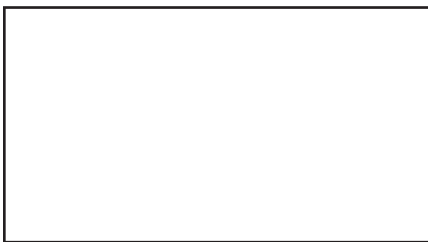


1 inch  
(2.5 cm)

4 inches (10 cm)

Perimeter = \_\_\_\_\_

iii)

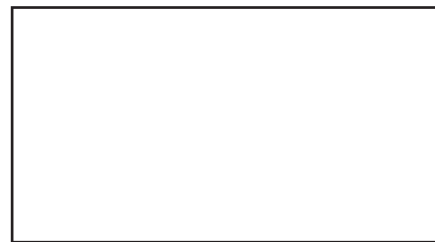


0.8 inches  
(2 cm)

2.4 inches (6 cm)

Perimeter = \_\_\_\_\_

iv)



2 inches  
(5 cm)

5 inches (12.7 cm)

Perimeter = \_\_\_\_\_

v)



1.2 inches  
(3 cm)

2.4 inches (6 cm)

Perimeter = \_\_\_\_\_

vi)



1.5 inches  
(4 cm)

3 inches (7.5 cm)

Perimeter = \_\_\_\_\_

vii)



0.8 inches  
(2 cm)

1.2 inches (3 cm)

Perimeter = \_\_\_\_\_

viii)



2 inches  
(5 cm)

6.5 inches (16.5 cm)

Perimeter = \_\_\_\_\_

**1.****a)**

Drawings may vary slightly.

i) Area = 1 sq in  
(6.5 sq cm)

ii) Area = 2.56 sq in  
(16 sq cm)

iii) Area = 0.64 sq in  
(4 sq cm)

iv) Area = 2.4 sq in  
(15 sq cm)

v) Area = 1 sq in  
(6.25 sq cm)

vi) Area = 9 sq in  
(57.76 sq cm)

**1A****2.****a)**

Triangle A:  
Height = 20 in  
(50.5 cm)

Triangle B:  
Base = 2.5 inches  
(6 cm)

Triangle C:  
Height = 8 inches  
(20 cm)

Triangle D:  
Base = 12 inches  
(30 cm)

Triangle E:  
Base = 8 in  
(20 cm)

Rectangle F:  
Width = 3 inches  
(8 cm)

Rectangle G:  
Width = 9 in  
(23 cm)

Rectangle H:  
Length = 8 inches  
(20 cm)

Rectangle I:  
Length = 21 inches  
(54 cm)

Rectangle J:  
Width = 11 in  
(28 cm)

**2A****3.****a)**

Answers may vary. Possible coin combinations include:

1 nickel, 2 quarters;  
2 nickels, 2 dimes,  
1 quarter;

3 dimes, 1 quarter;  
5 pennies, 5 nickels,  
1 quarter

**3A****4.****a)**

Answers will vary.

**4A****5.****a)**

Answers will vary.

**b)**

i) 18 inches = 1.5 feet  
ii) 30 cm = 300 mm  
iii) 2 km = 2000 m  
iv) 24 feet = 8 yards  
v) 7.5 feet =  
90 inches  
vi) 800 mm = 80 cm

**c)**

i) 24 oz = 1.5 lbs  
ii) 8 g = 8,000 mg  
iii) 1700 mg =  
0.0017 kg  
iv) 5 lbs = 80 oz  
v) 1.2 tons = 2,400 lbs  
vi) 13.52 kg =  
13,520 g

**5A****6.****a)**

i) 5 inches (13 cm)  
ii) 10 inches (25 cm)

iii) 6.4 inches (16 cm)  
iv) 14 inches  
(35.4 cm)

v) 7.2 inches (18 cm)  
vi) 9 inches (23 cm)

vii) 4 inches (10 cm)  
viii) 17 inches  
(43 cm)

**6A**

(these answers are for the 6 free bonus pages, see page 3 for download instructions)