Name _____

Fact Family Houses

3 5 8

$3 + 5 = 8$
$5 + 3 = 8$
$8 - 3 = 5$
$8 - 5 = 3$

Name _____

One-Dollar Bills

Saxon Math Intermediate 4

Ten-Dollar Bills

One Hundred-Dollar Bills

Using Money Manipulatives

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Money

Saxon Math Intermediate 4

Quarters

quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$
quarter $\frac{1}{4}$	quarter $\frac{1}{4}$	quarter $\frac{1}{4}$

Name _____

Dimes

dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$
dime	$\frac{1}{10}$	dime	$\frac{1}{10}$	dime	$\frac{1}{10}$

Name _____

Pennies

penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$

penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$
penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$	penny	$\frac{1}{100}$

Name _____

Place-Value Template

Place-Value Template

| hundreds | tens | ones |

Name _____

Place Value Charts

hundred thousands | ten thousands | thousands , hundreds | tens | ones

___ ___ ___ , ___ ___ ___

hundred billions | ten billions | billions , hundred millions | ten millions | millions , hundred thousands | ten thousands | thousands , hundreds | tens | ones

___ ___ ___ , ___ ___ ___ , ___ ___ ___ , ___ ___ ___

Billions				Millions				Thousands			Units (Ones)		
hundreds	tens	ones	billions comma	hundreds	tens	ones	millions comma	hundreds	tens	ones	thousands comma	hundreds	tens	ones
___	___	___	,	___	___	___	,	___	___	___	,	___	___	___

Checks

_____   **0001**

My Street   DATE _____
My Town, USA

PAY TO THE
ORDER OF _____ $ [   ]

_____ DOLLARS

❋**MY**BANK

Memo_____   _____

THIS CHECK IS NONNEGOTIABLE, FOR EDUCATION PURPOSES ONLY

_____   **0002**

My Street   DATE _____
My Town, USA

PAY TO THE
ORDER OF _____ $ [   ]

_____ DOLLARS

❋**MY**BANK

Memo_____   _____

THIS CHECK IS NONNEGOTIABLE, FOR EDUCATION PURPOSES ONLY

_____   **0003**

My Street   DATE _____
My Town, USA

PAY TO THE
ORDER OF _____ $ [   ]

_____ DOLLARS

❋**MY**BANK

Memo_____   _____

THIS CHECK IS NONNEGOTIABLE, FOR EDUCATION PURPOSES ONLY

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Name _____

Number Lines

Name _____

Temperature Table

- Collect temperature readings and record your data in the table.
- Remember to give your table a title.
- Subtract the afternoon temperature from the morning temperature to find the difference.

(Title) _____

	Morning Temperature (°)	**Afternoon Temperature (°)**	**Difference (°)**
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

At the end of the week, write two conclusions about the temperature data you collected.

_____

_____

_____

_____

_____

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Celsius and Fahrenheit Thermometers
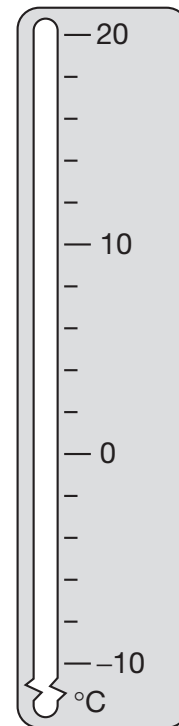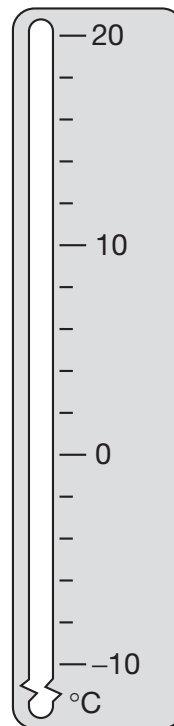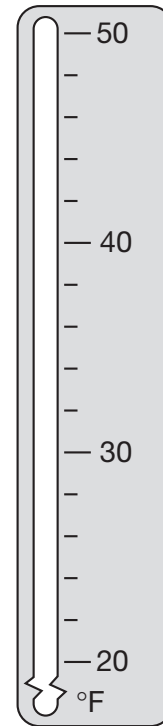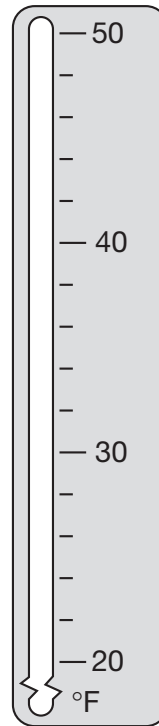
Name _____
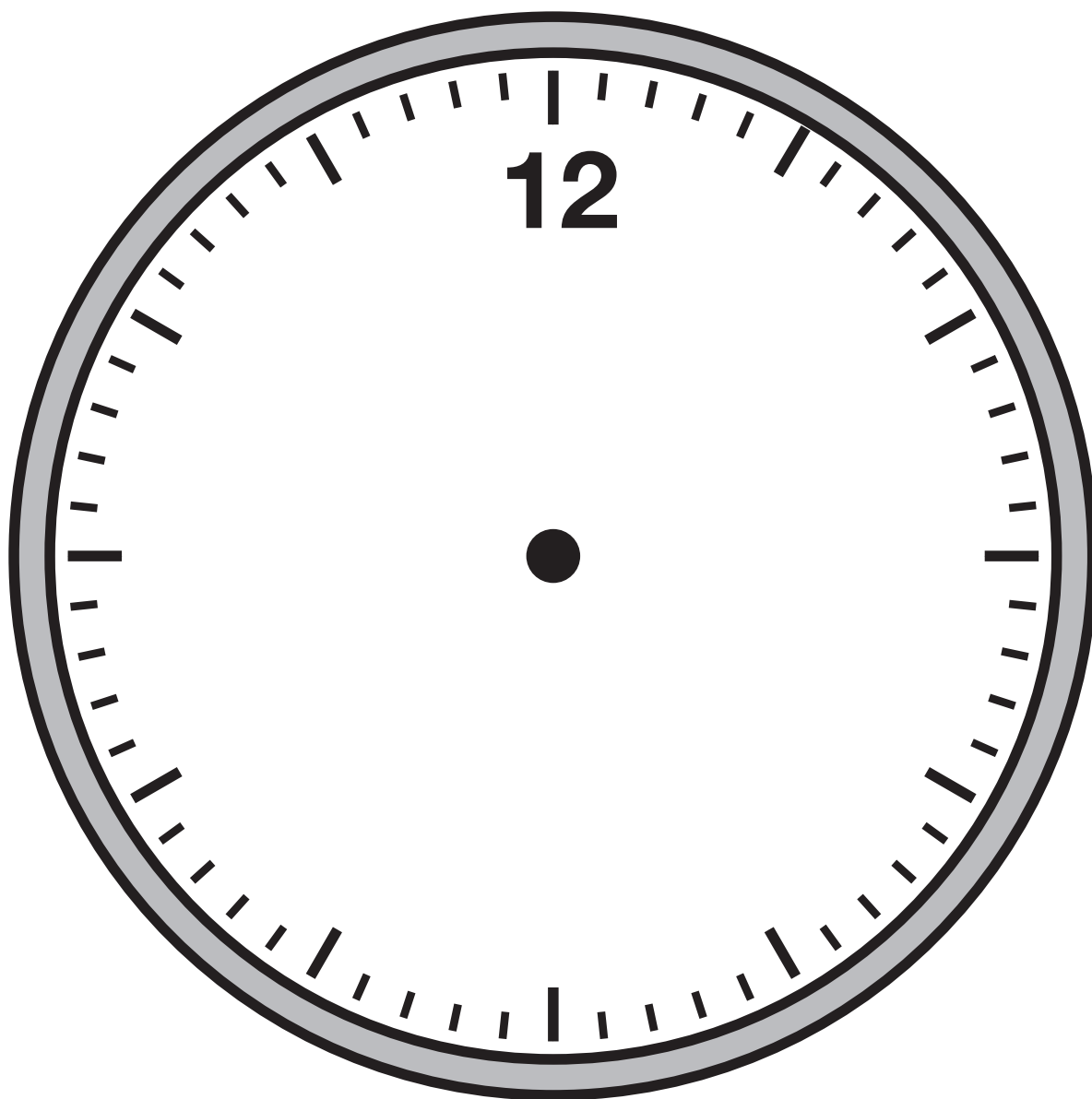
Clock Face

12

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Name _____

Clocks

12

Time _____

12

Time _____

12

Time _____

12

Time _____

12

Time _____

12

Time _____

Saxon Math Intermediate 4 **69**

Ruler

cm 1   2   3   4   5   6   7   8   9   10   11   12   13   14   15

inch   1   2   3   4   5   6
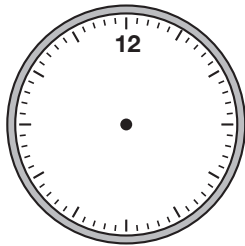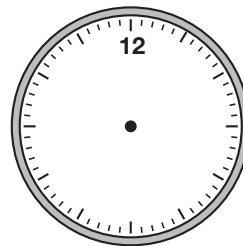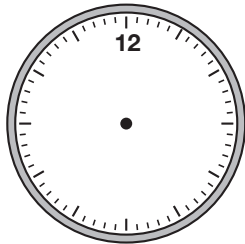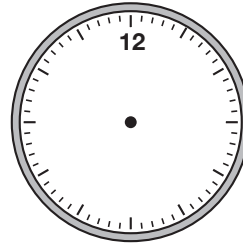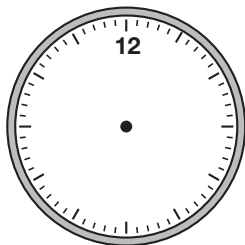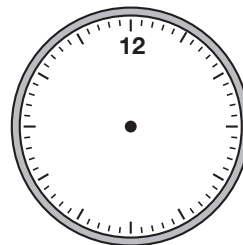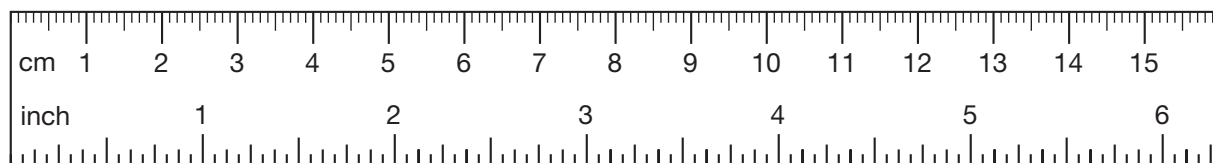
Multiplication Table

×	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Name _____
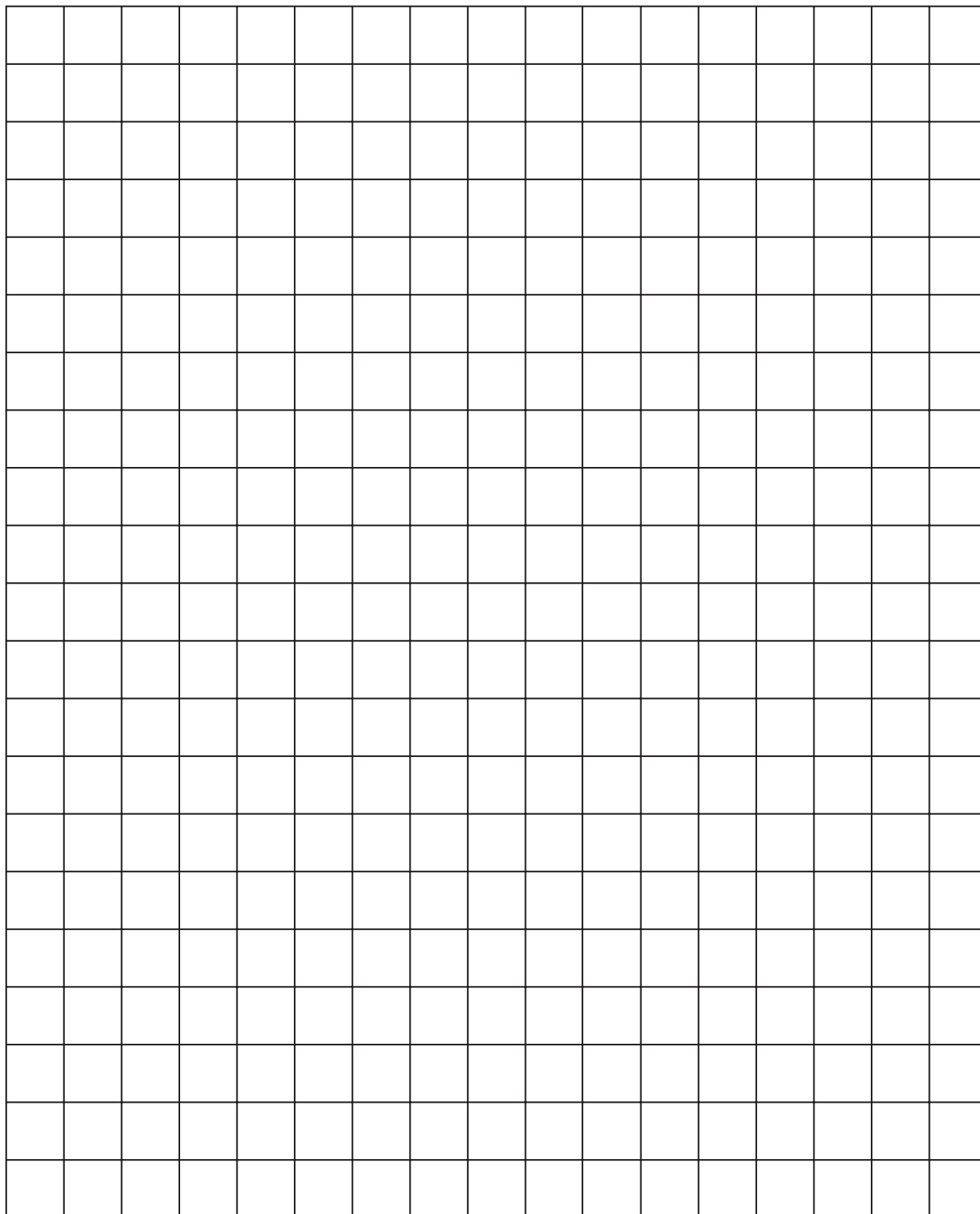
1-Centimeter Grid

Saxon Math Intermediate 4

Name _____

1-Inch Grid

Name _____

Base Ten Squares

         Saxon Math Intermediate 4

Unit Squares

28.

29.
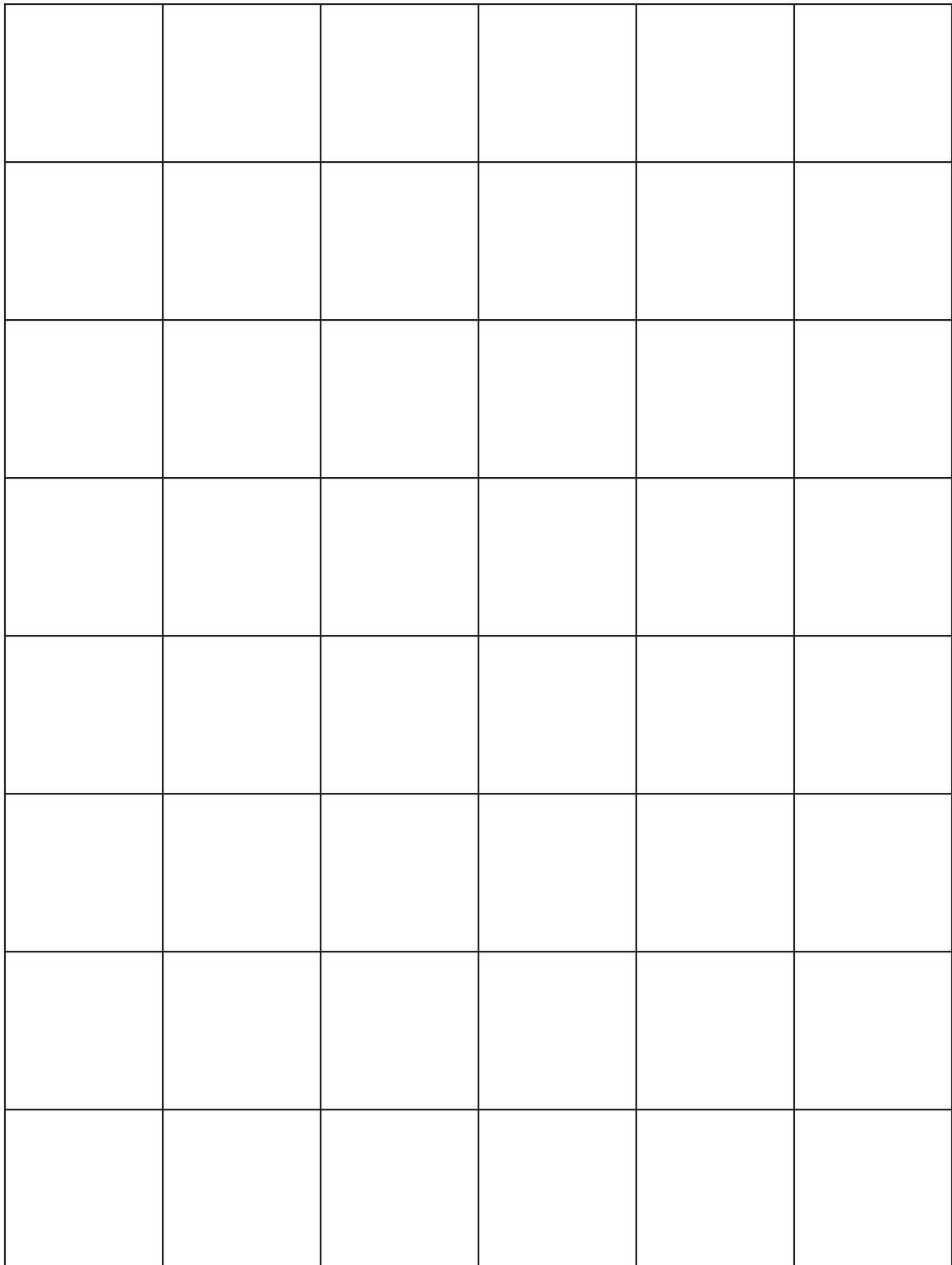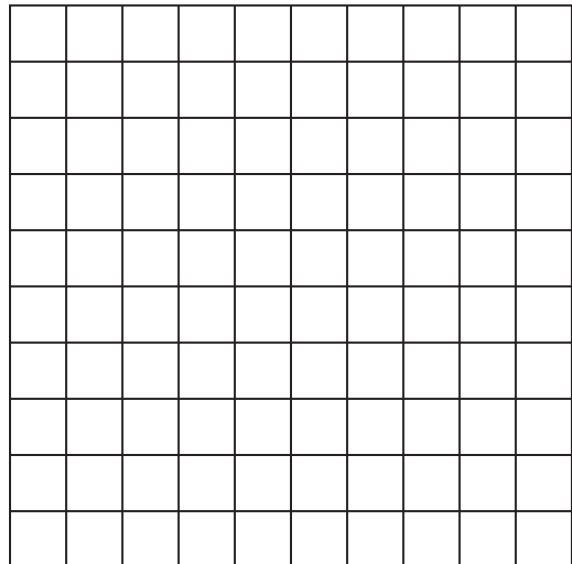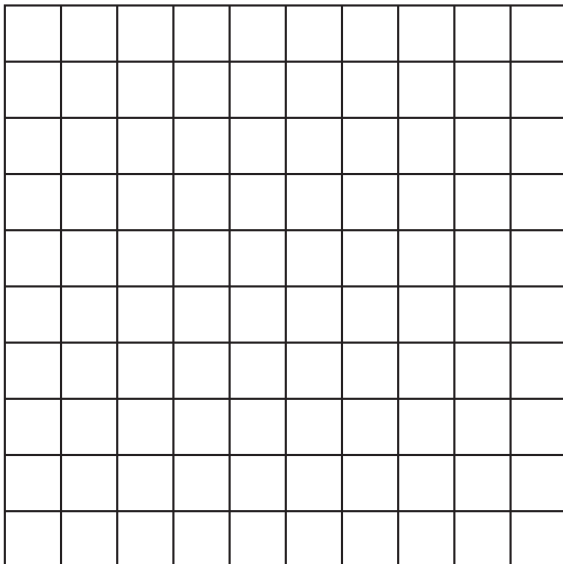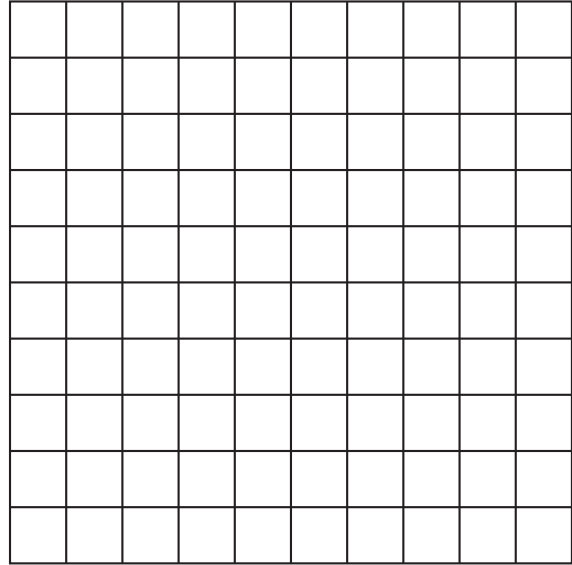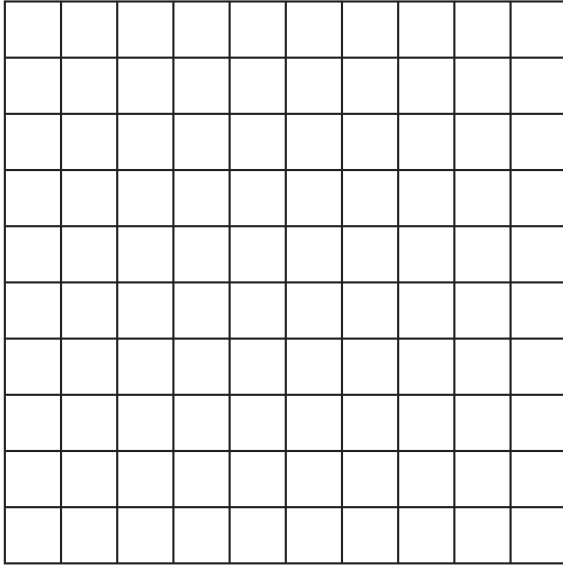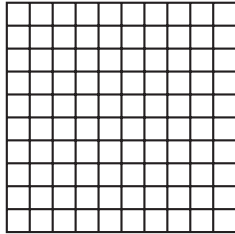
Fraction: _____
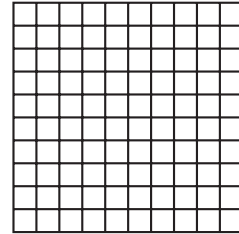
Fraction: _____

Decimal: _____

Decimal: _____

Words: _____

Words: _____

30.
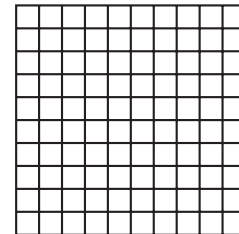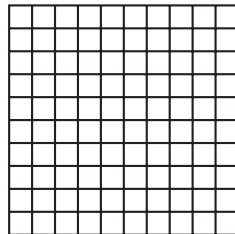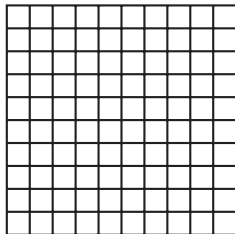
Mixed Number: _____

Decimal: _____

Words: _____

31.
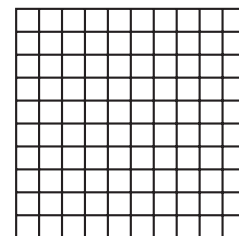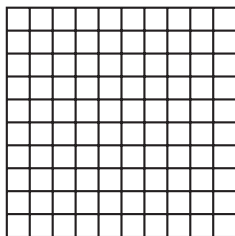
Fraction: _____

Fraction: _____

Decimal: _____

Decimal: _____

Compare: _____ ◯ _____

32. Connect: _____

Adding and Subtracting Decimals, Part 1

a. Shade these grids to represent the given decimal numbers.
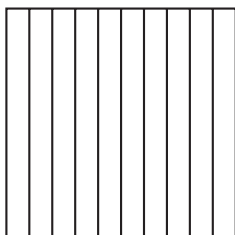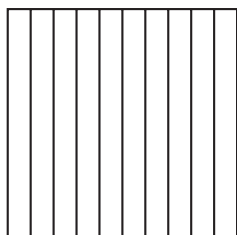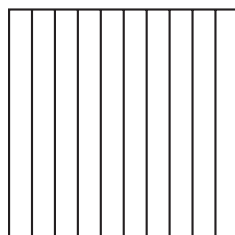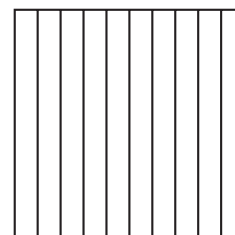
| 0.4 | 0.6 | 0.2 | 0.9 |

1. Compare: 0.4 ◯ 0.6

2. Add the two largest decimal numbers. _____

3. Write a subtractions fact of the two smallest decimal numbers. _____

4. Arrange all four decimal numbers in order from least to greatest. _____

b. Shade these four unit squares to represent the given decimal numbers.
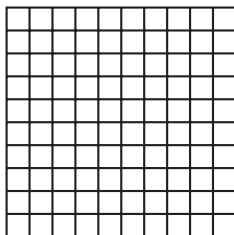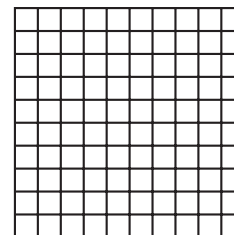
| 0.35 | 0.23 | 0.76 | 0.18 |

1. Compare: 035 ◯ 0.23

2. Write an addition fact using the two smallest decimal numbers. _____

3. Write a subtraction fact using the largest and the smallest decimal numbers.

_____

4. Arrange all four decimal numbers in order from least to greatest. _____

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Adding and Subtracting Decimals, Part 2

1. Shade these grids to represent the given decimal numbers.
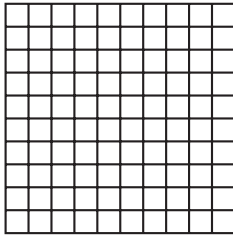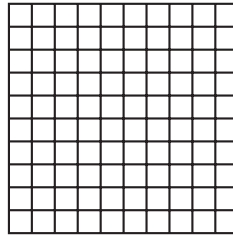
| 0.3 | 0.62 | 0.5 | 0.81 |
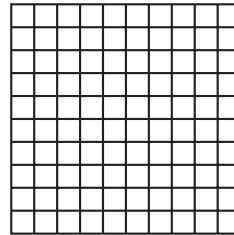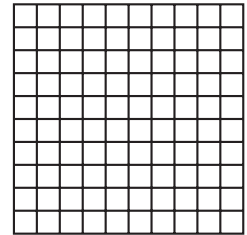
   a. Write each decimal as a fraction. _____

   b. Choose two of the numbers and write a comparison statement using fractions, _____ and then using decimal numbers. _____

   c. Write the numbers in order from least to greatest using fractions, _____ and then using decimal numbers. _____

   d. Select two of the decimal numbers and add them together. _____

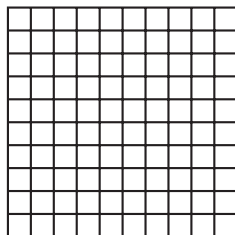   **e.** Subtract one of the decimal numbers from another decimal number. _____

2. Shade these grids to represent the given decimal numbers.
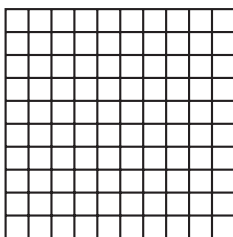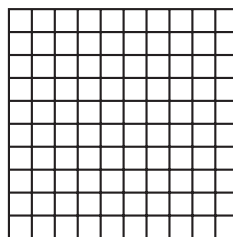
| 0.35 | 0.18 | 0.23 | 0.76 |
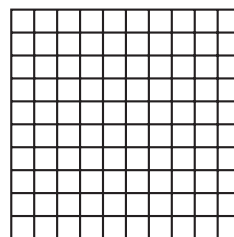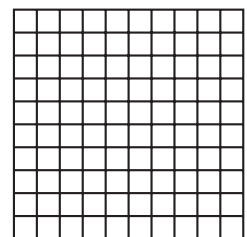
   a. Compare: 035 ◯ 0.23

   b. Write an addition fact using two of the decimal numbers. _____

   c. Write a subtraction fact using two of the decimal numbers. _____

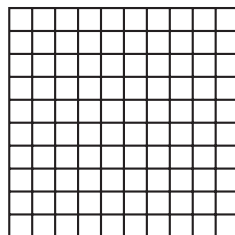   **d.** Arrange all four numbers in order from least to greatest. _____

Percent

Each big square is divided into 100 small squares. So each small square is $\frac{1}{100}$, or 1%, of the big square.

1. a. Shade 5% of the big square.

b. What percent of the big square is not shaded? _____

2. a. Shade 33% of the big square.

b. What percent of the big square is not shaded? _____

Each of these rectangles is divided into 10 parts. So each part is $\frac{1}{10}$ that is 10%, of the whole rectangle.
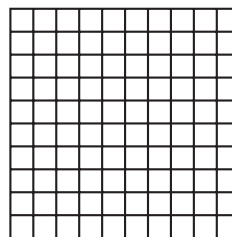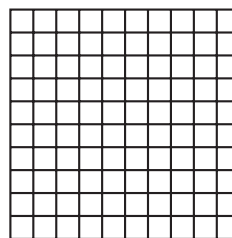
3. a. Starting from the bottom, shade 10% of the rectangle.

b. What percent of the rectangle is not shaded? _____
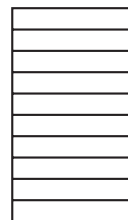
4. a. Starting from the bottom, shade 70% of the rectangle.

b. What percent of the rectangle is not shaded? _____

Each whole circle represents 100%.

5. a. Shade 50% of the circle.

b. What percent of the rectangle is not shaded? _____
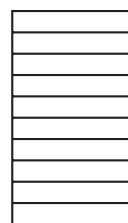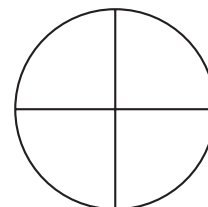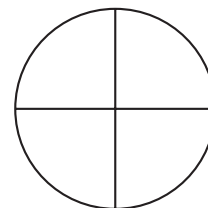
6. a. Shade 75% of the circle.

b. What percent of the rectangle is not shaded? _____

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Pictographs and Bar Graphs

(Title)	

Key: _____

(Title) _____

(Label)

(Label) _____

Name _____

Line Graphs and Circle Graphs
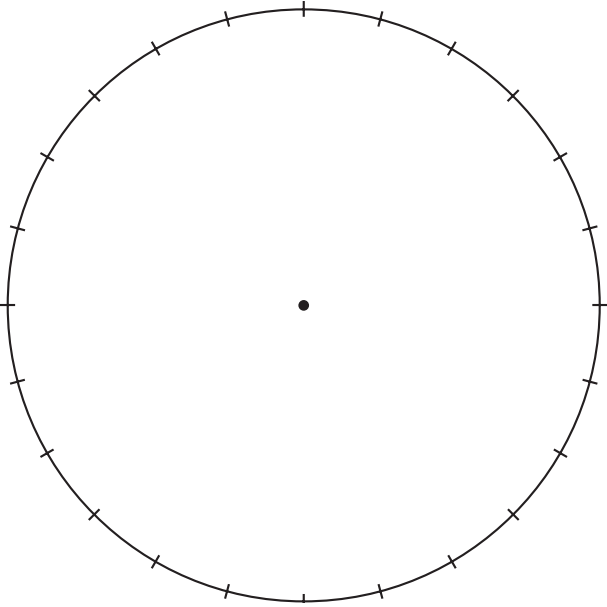
(Title) _____

)

(

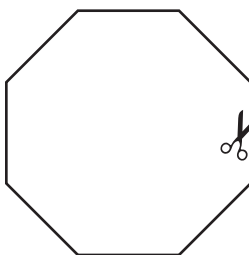**(Label)**
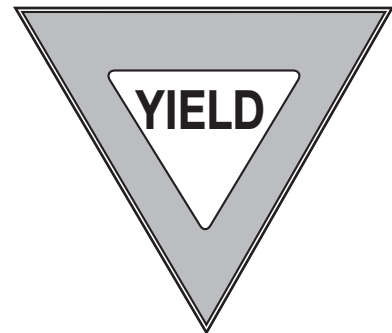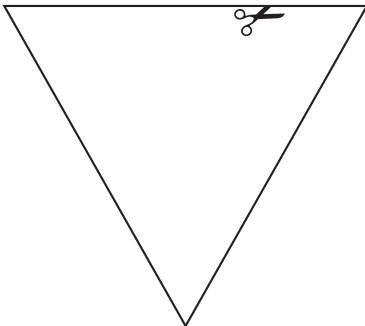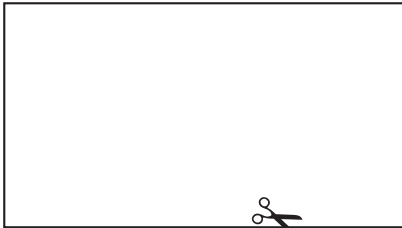
(Label) _____ (_____)

(Title) _____

Name _____

Geometric Figures

Cut out the 3 shapes on this side.

Tables

U.S. Customary Weights (Remember to give your table a title.)

(Title) _____

	Object	Estimated Weight	Measured Weight
a.	_____ pencils	1 pound	_____
b.	_____	_____ pencils	_____ ounces
	_____ pencils	_____	1 pound
c.	_____	_____	_____
	_____	_____	_____

Metric Mass (Remember to give your table a title.)
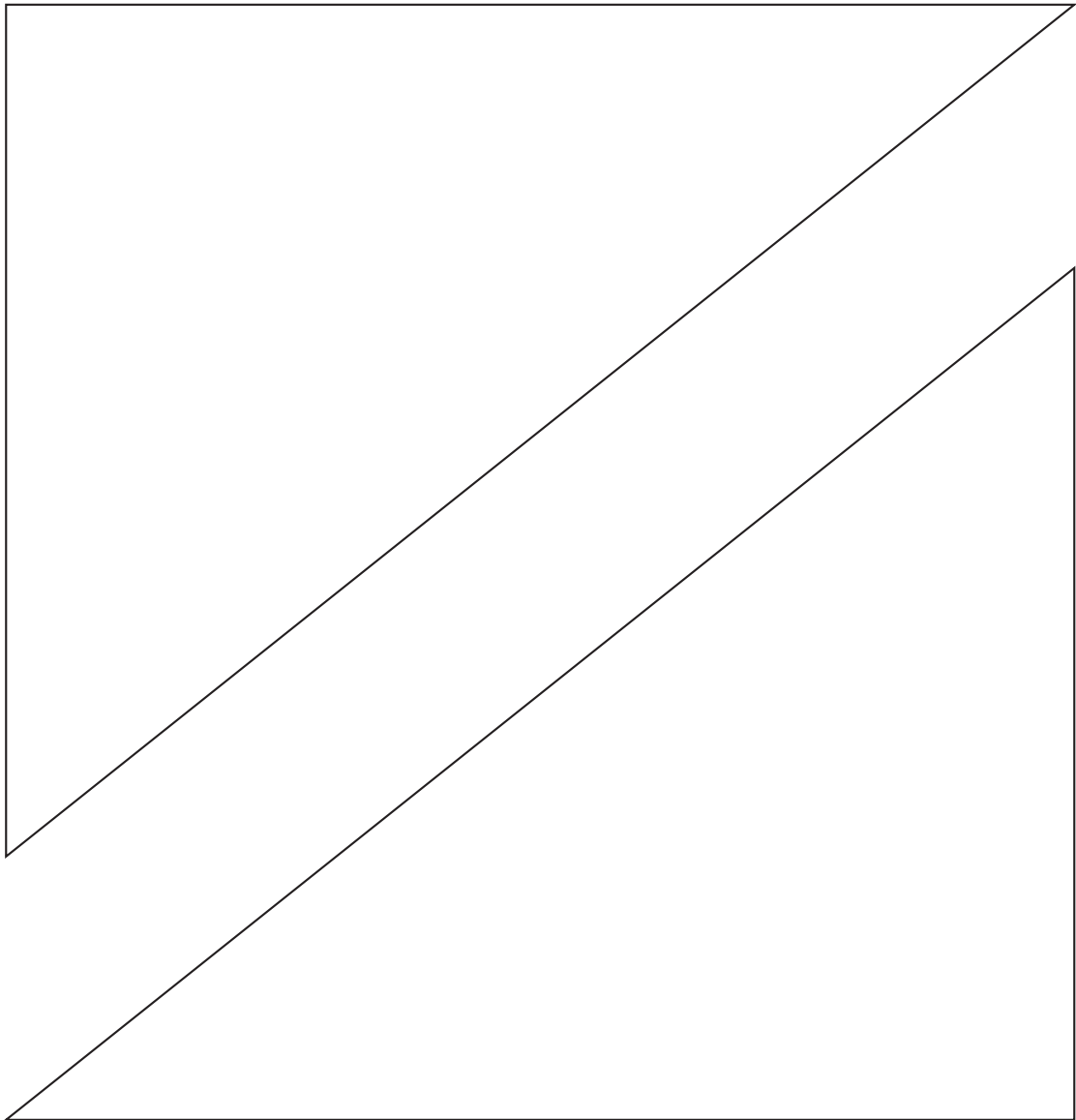
(Title) _____

	Object	Estimated Weight	Measured Weight
a.	_____	_____ grams	_____ grams
b.	_____ pencils	1 kilogram	1 kilogram

Explain your estimate for problem **b.** _____
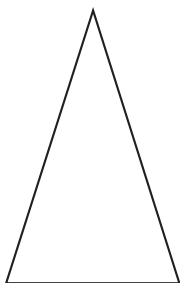
_____

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Congruent Triangles

Reflections and Lines of Symmetry

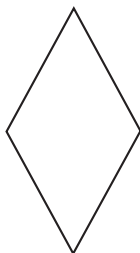Use a mirror to help you find one line of symmetry for each figure. Then draw the line.

1.

2.

3.

Use a mirror to help you find two line of symmetry for each figure. Then draw the line.

4.

5.

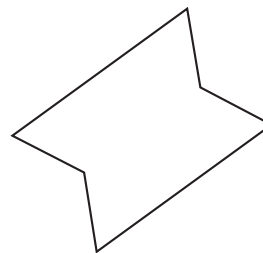**6.**

Use a mirror to help you find one, two, line of symmetry for each figure. Then draw the line. One figure has no lines of symmetry.
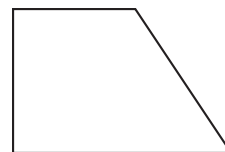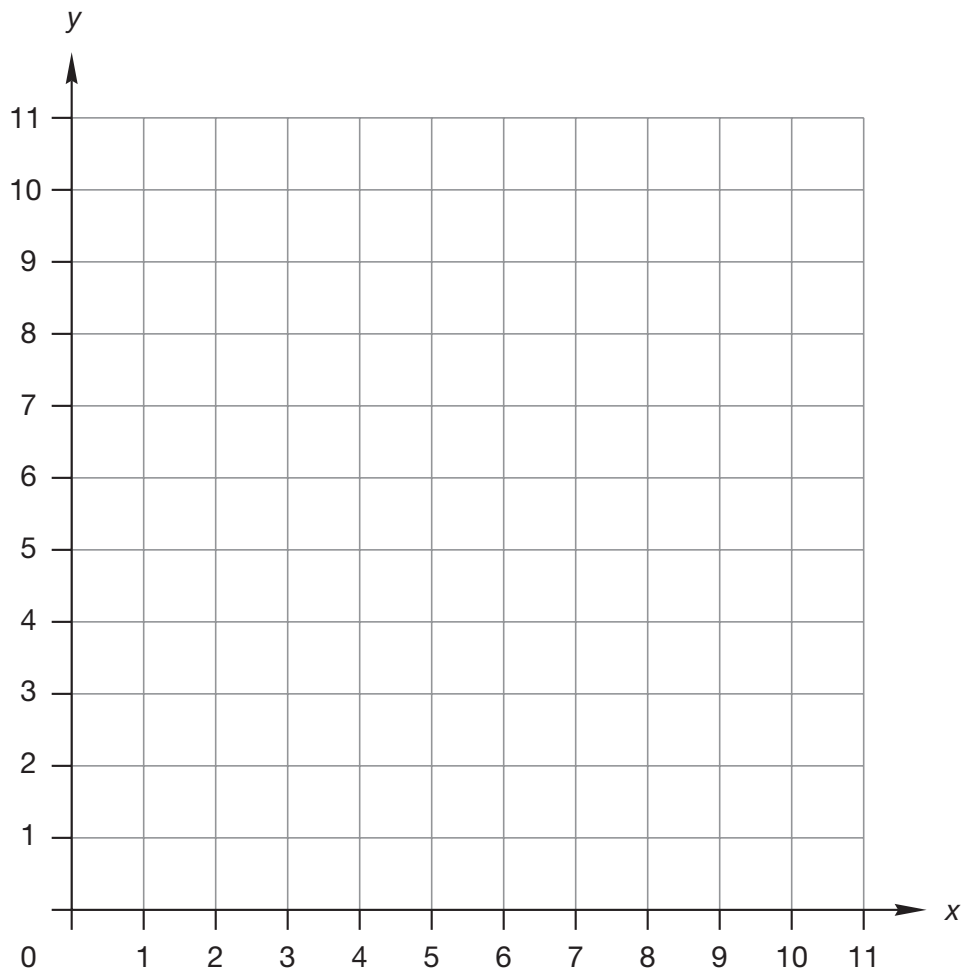
7. B

8.

9.

10. H

11.

12.

13. Describe what a line of symmetry is. Then draw a figure on the back of this paper that has at least one line of symmetry.

_____

_____

_____

 Saxon Math Intermediate 4

Name _____

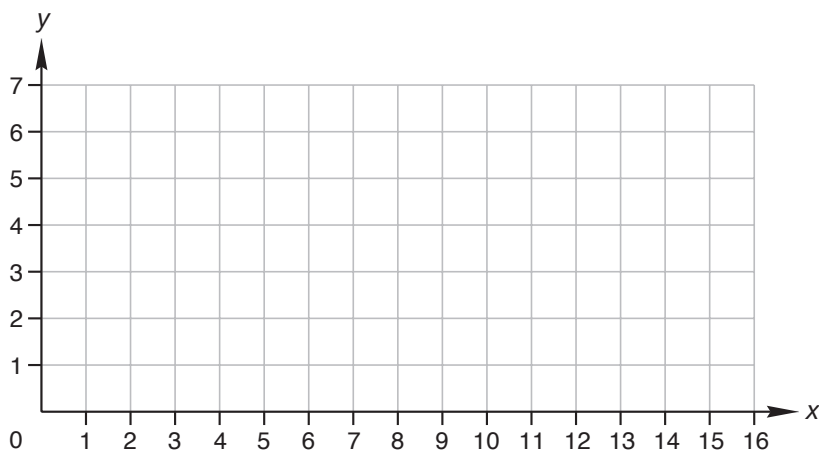# Coordinate Plane

Coordinate Grid

16. Graph these points and draw segments to connect them in order.

1. (10, 5)	**5.** (10, 3)	**9.** (3, 3)	**13.** (2, 7)
2. (9, 7)	**6.** (5, 3)	**10.** (2, 3)	**14.** (4, 7)
3. (9, 1)	**7.** (4, 1)	**11.** (2, 5)	**15.** (5, 5)
4. (9, 1)	**8.** (2, 1)	**12.** (3, 5)	**16.** (10, 5)

17. Create a straight-segment drawing on the grid. Make each segment begin and end at points where x-axis and y-axis lines cross, such as the point (1, 1). Then write the coordinate of each point in your drawing in an ordered list. Your drawing should have at least 8 points.
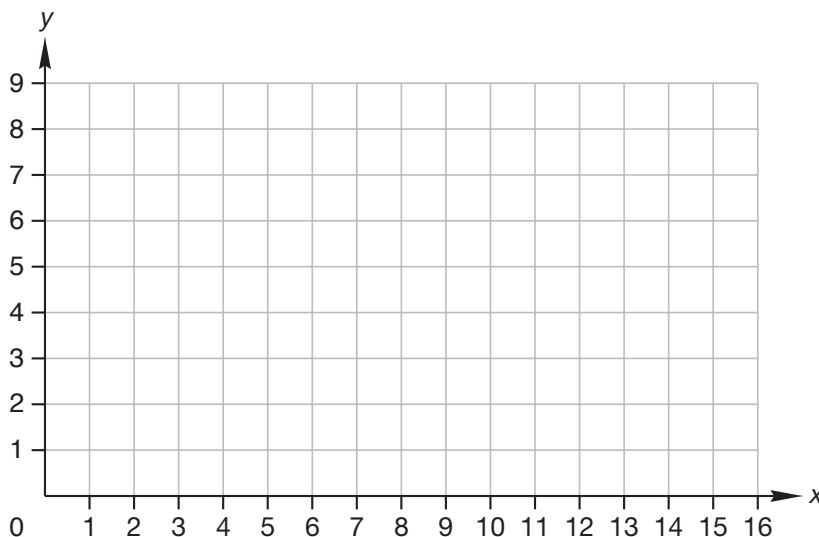
1. _____   5. _____

2. _____   6. _____
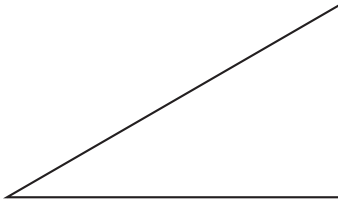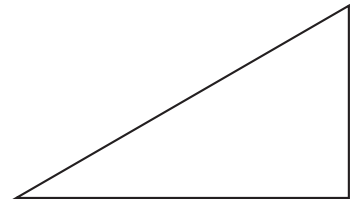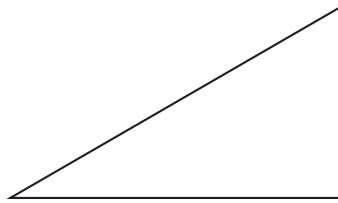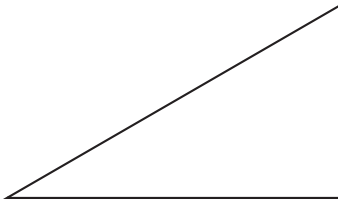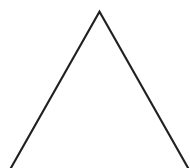
3. _____   7. _____

4. _____   8. _____

Tessellations

Carefully cut out these polygons. Form a tessellation using the triangle.
Then form a tessellation using the quadrilaterals.
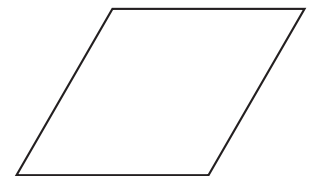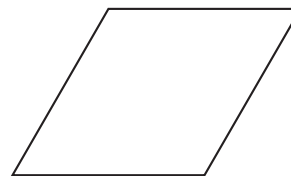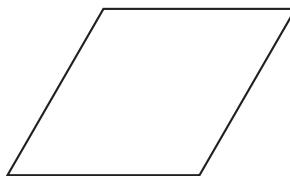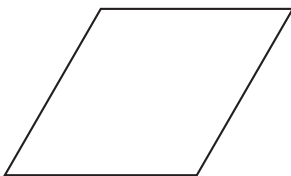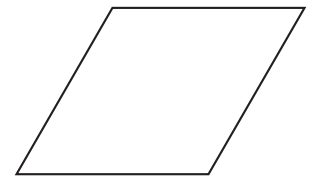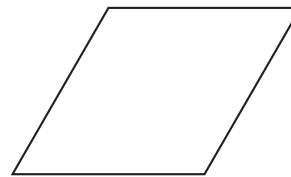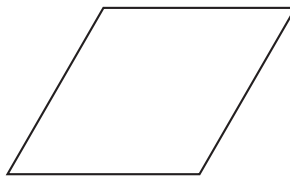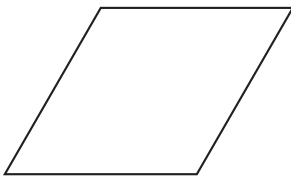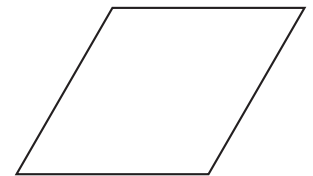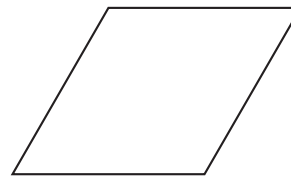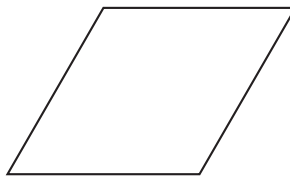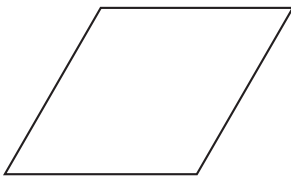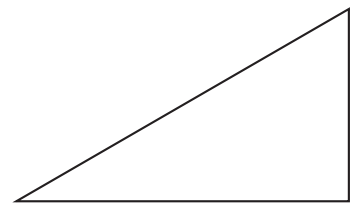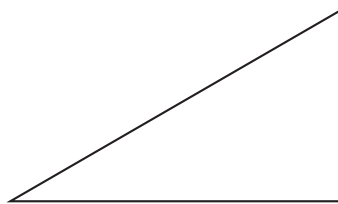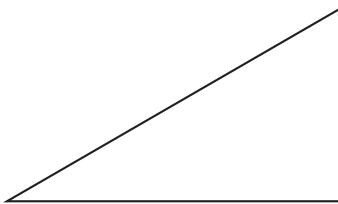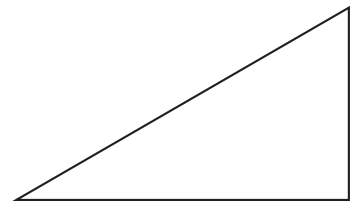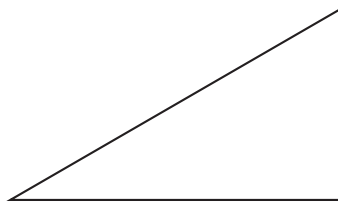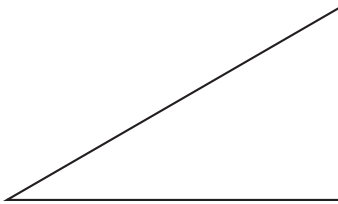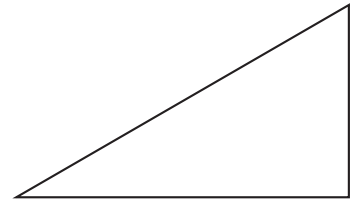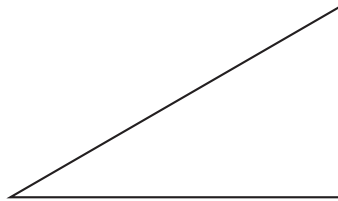
Name _____

Tesselations with Multiple Shapes
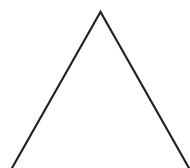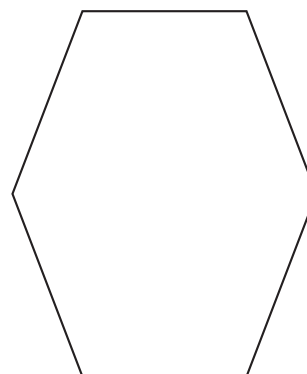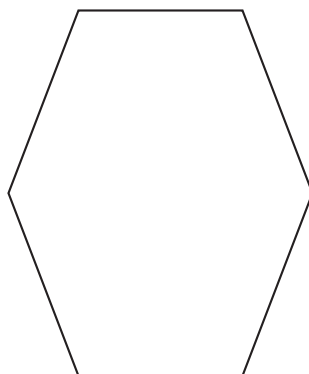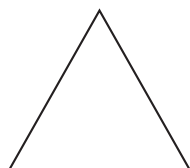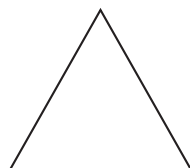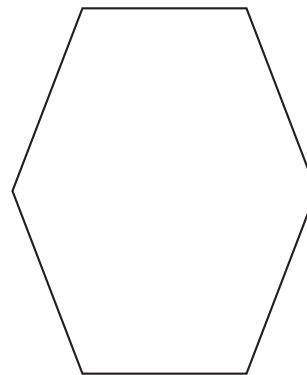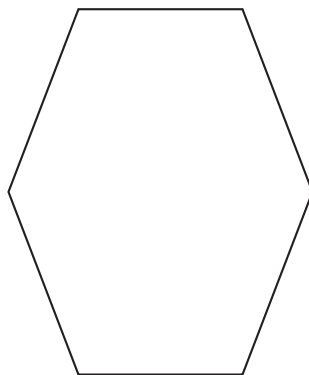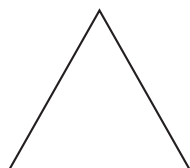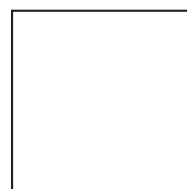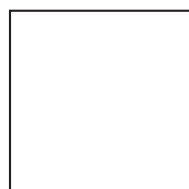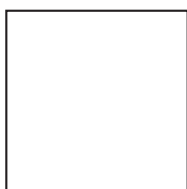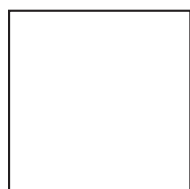
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Name _____

Halves

$$\frac{1}{2}$$

0.5

50%

50%

0.5

$$\frac{1}{2}$$

Name _____

Fourths

$\frac{1}{4}$
0.25
25%

$\frac{1}{4}$
0.25
25%

$\frac{1}{4}$
0.25
25%

$\frac{1}{4}$
0.25
25%

Saxon Math Intermediate 4
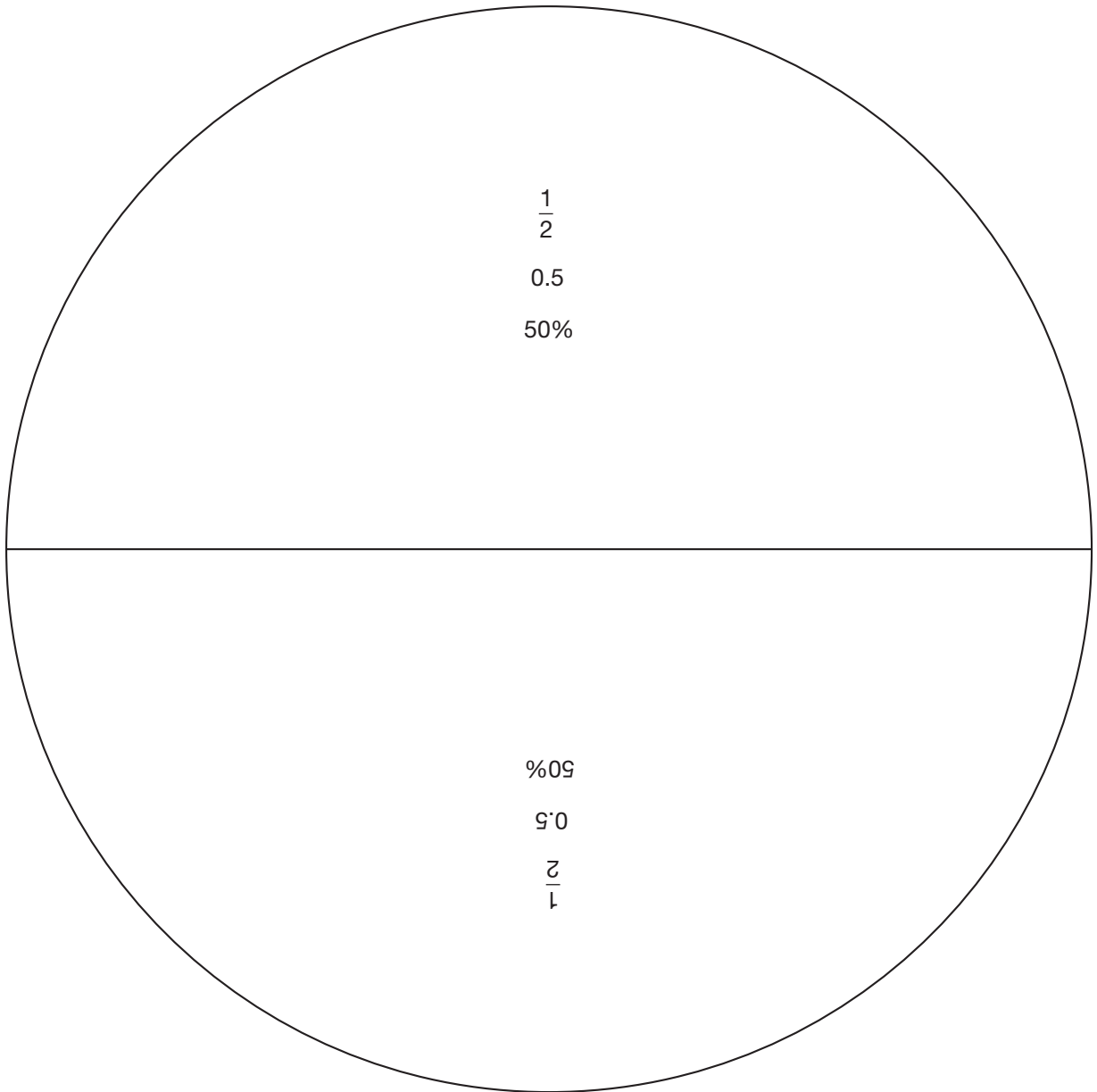
Eighths

Name _____
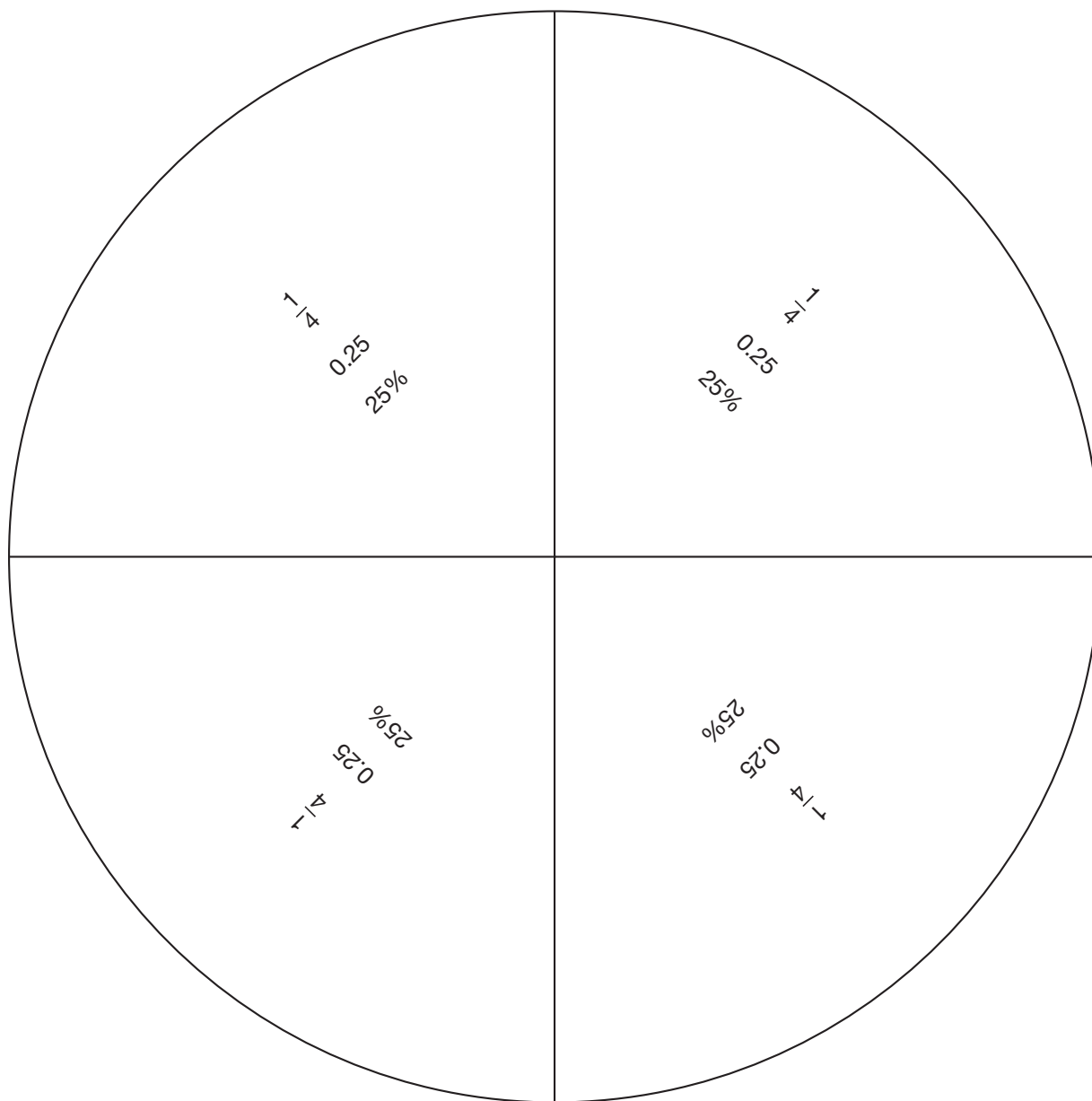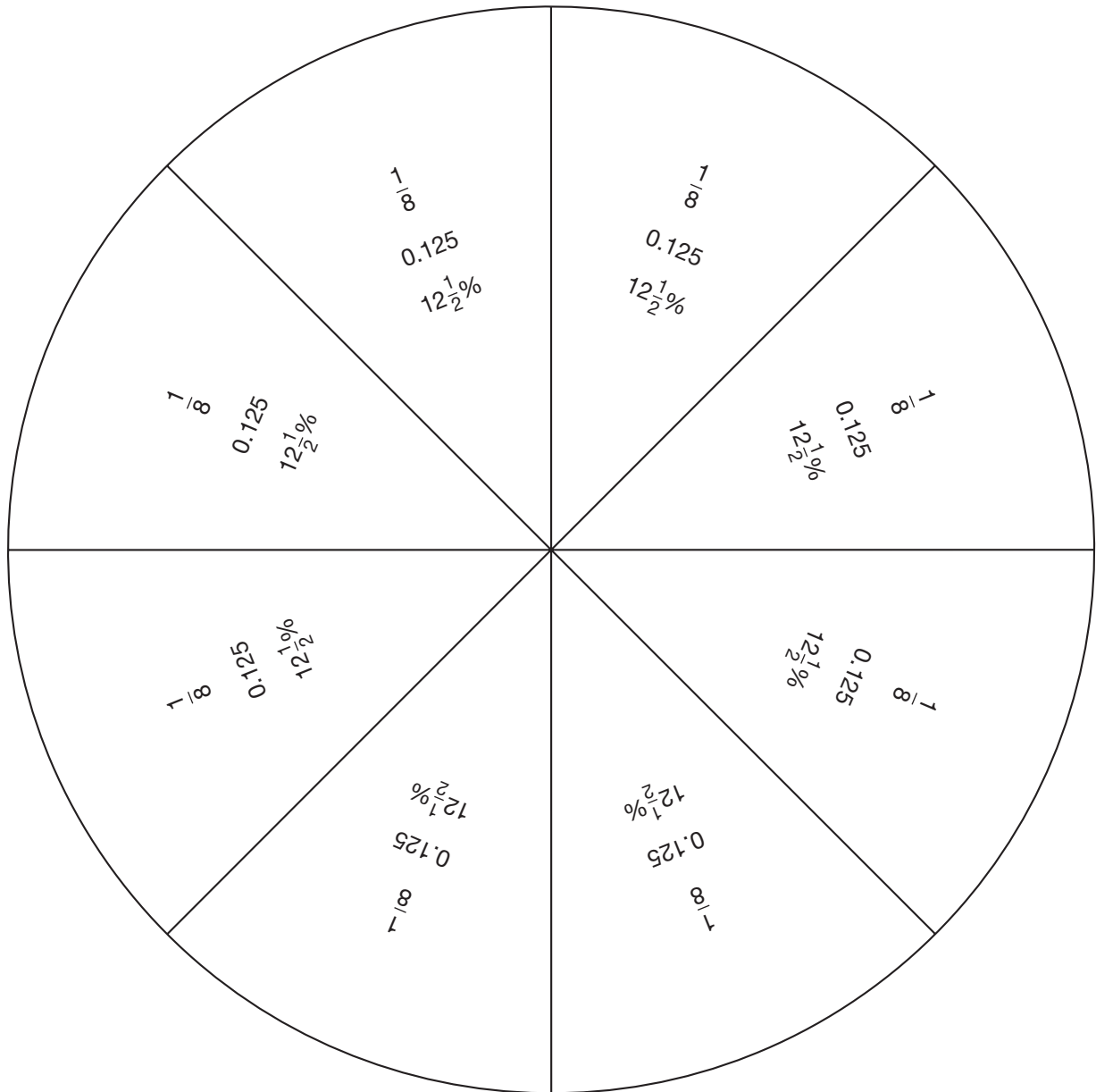
Decimal Manipulatives

a.
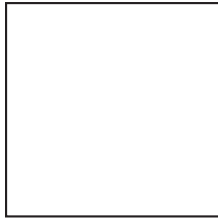
Fraction: ___1___

Decimal: ___1___

Fraction: _____

Decimal: _____

Fraction: _____

Decimal: _____

From least to greatest: _____

b.

Fraction: _____

Decimal: _____

Compare: _____

Fraction: _____

Decimal: _____

c.

Fraction: _____

Decimal: _____

Compare: _____

Fraction: _____

Decimal: _____

Saxon Math Intermediate 4
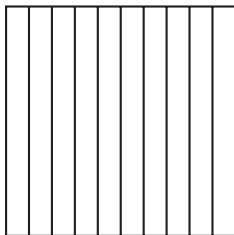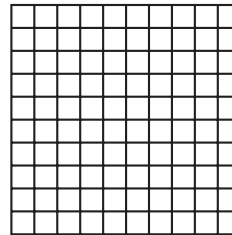
Symmetry and Quadrilaterals

Example: This rectangle has two lines of symmetry. Use your mirror to demonstrate the reflective symmetry of this rectangle.
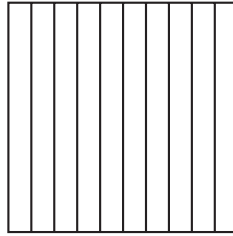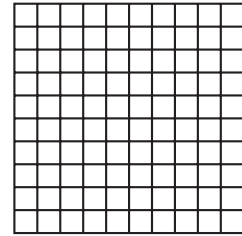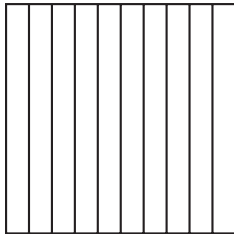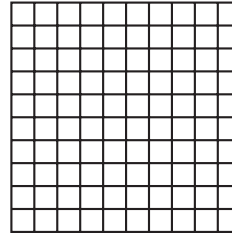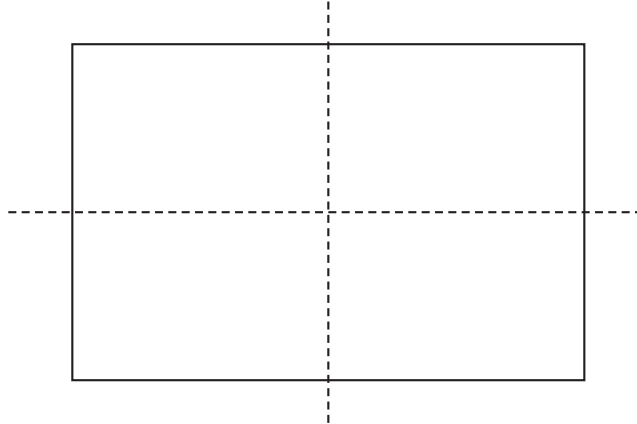
Use your mirror to test each quadrilateral below for reflective symmetry. If the figure has reflective symmetry, sketch its line (or lines) of symmetry. If a figure does not have reflective symmetry, write "no reflective symmetry" inside the quadrilateral.

1.
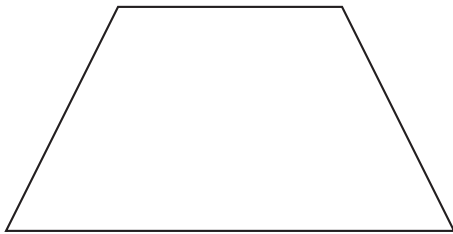
2.
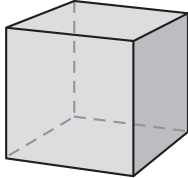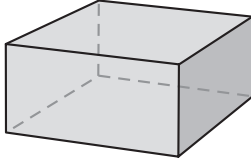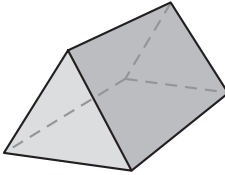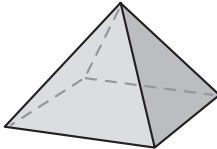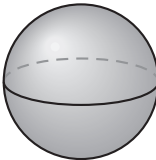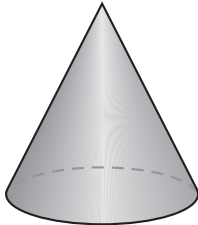
3.
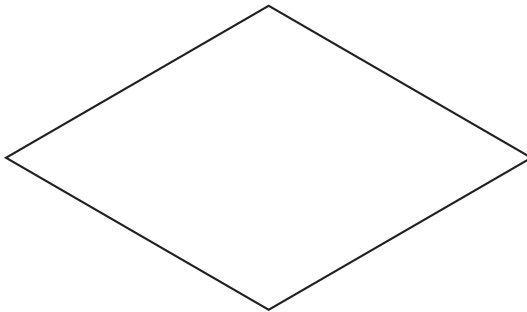
4.
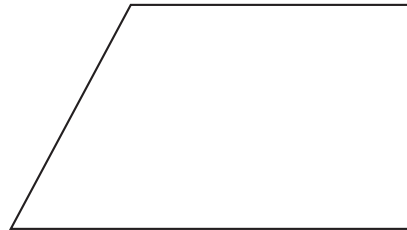
Geometric Solids

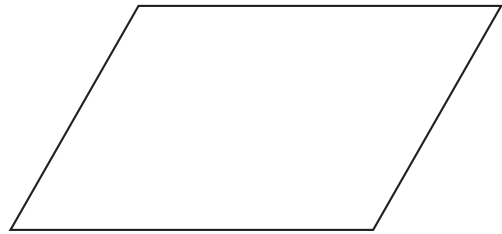| Shape	Name of Shape	Name of Object	Picture of Object
	Cube		
	Rectangular Prism		
	Tringular Prism		
	Pyramid		
	Cylinder		
	Sphere		
	Cone		

 Saxon Math Intermediate 4

Rectangular Prism Patterns
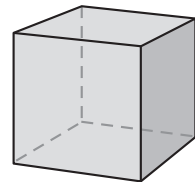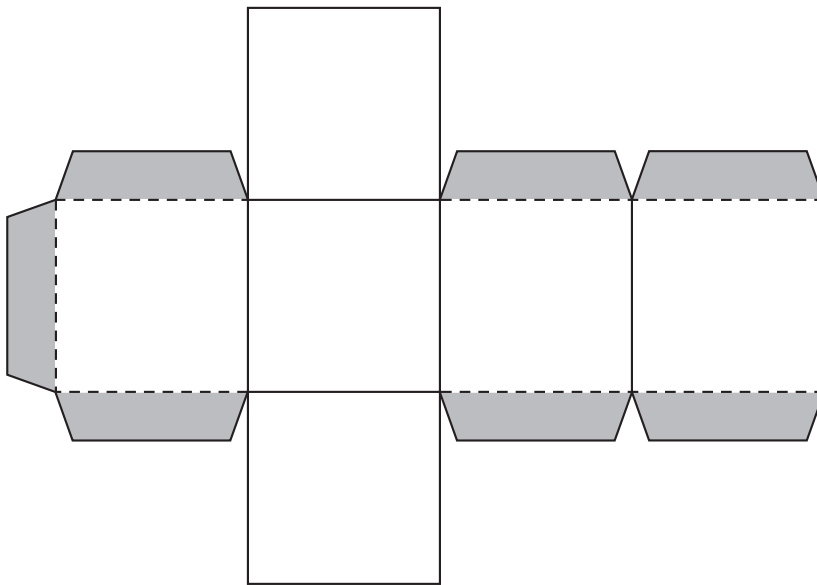
1-inch cube
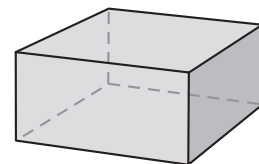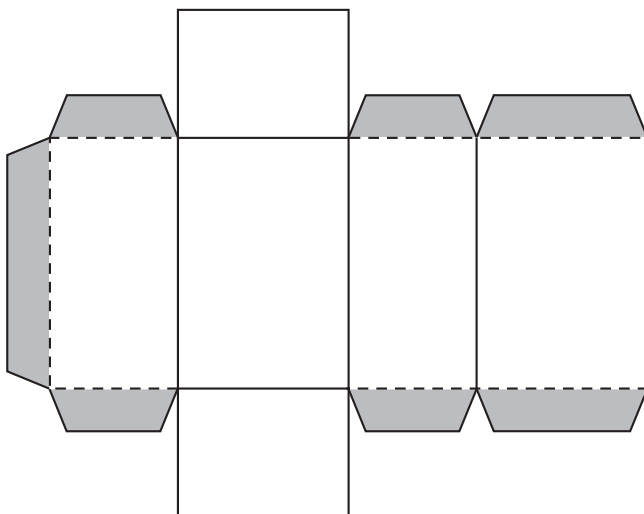
Rectangular Prism

Triangular Prism Patterns

 Saxon Math Intermediate 4
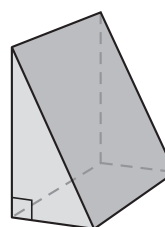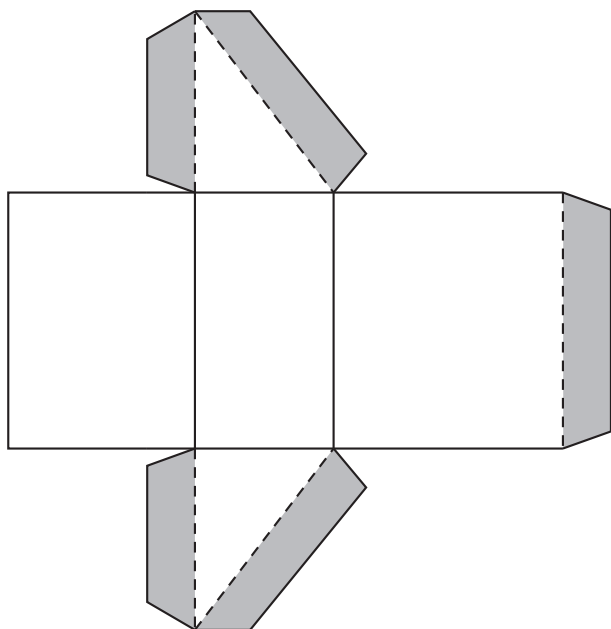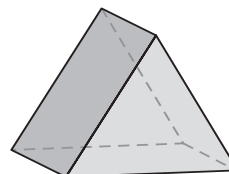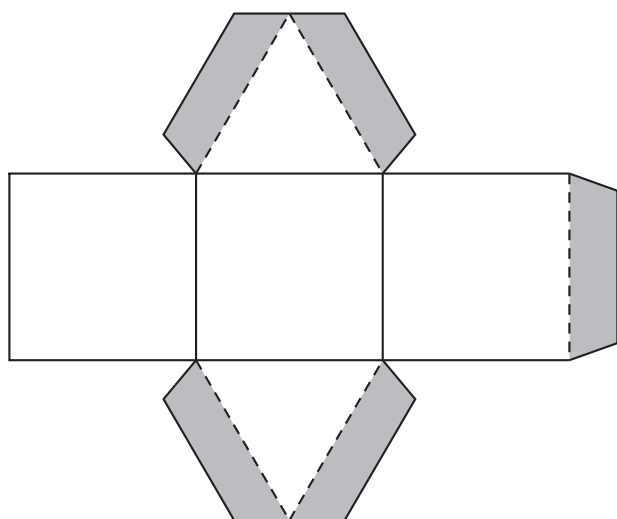
Name _____

Cube Pattern

Name _____
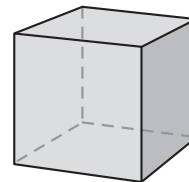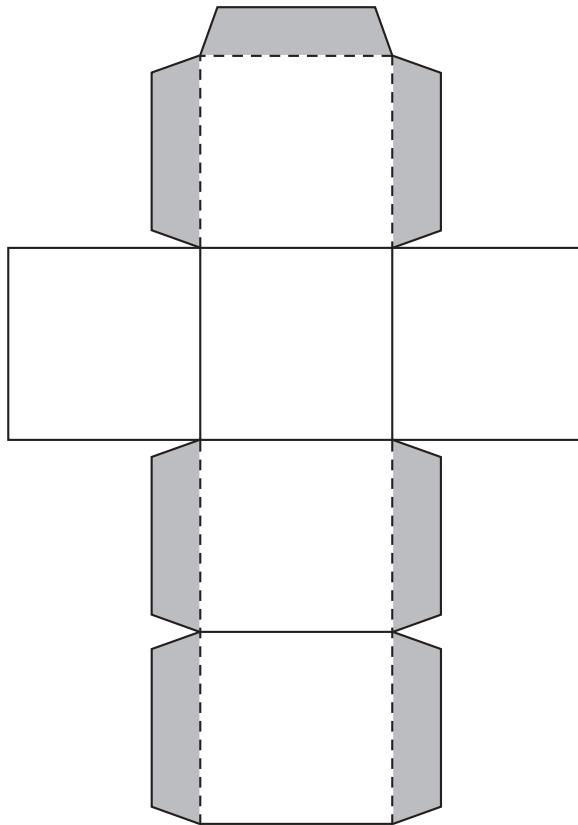
Pyramid Patterns
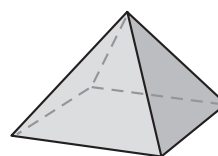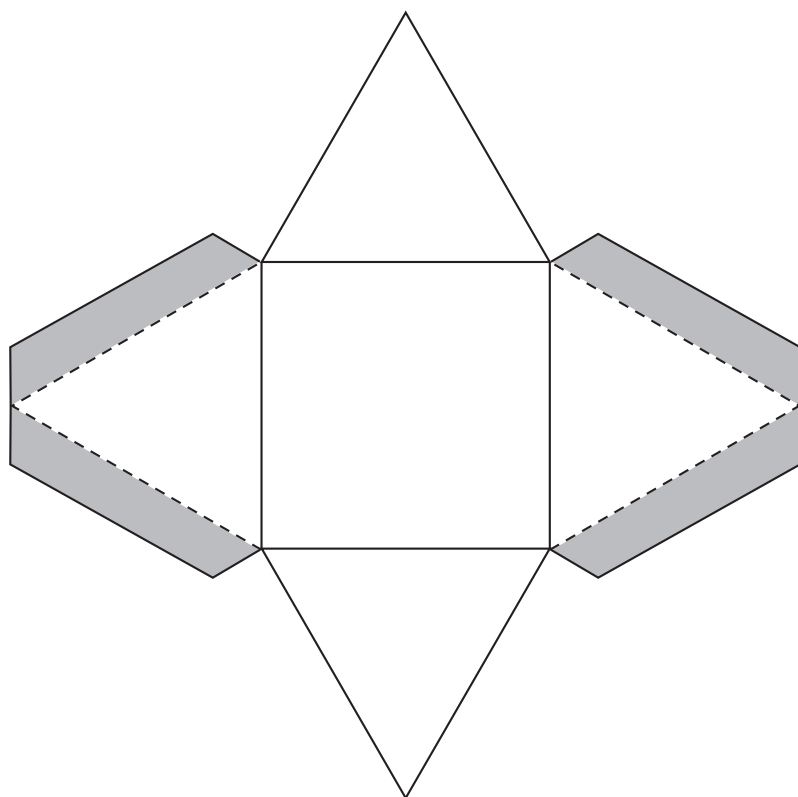
Square Pyramid

Triangular Pyramid

 Saxon Math Intermediate 4
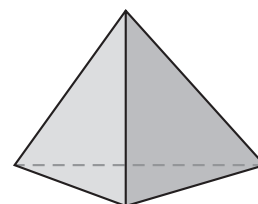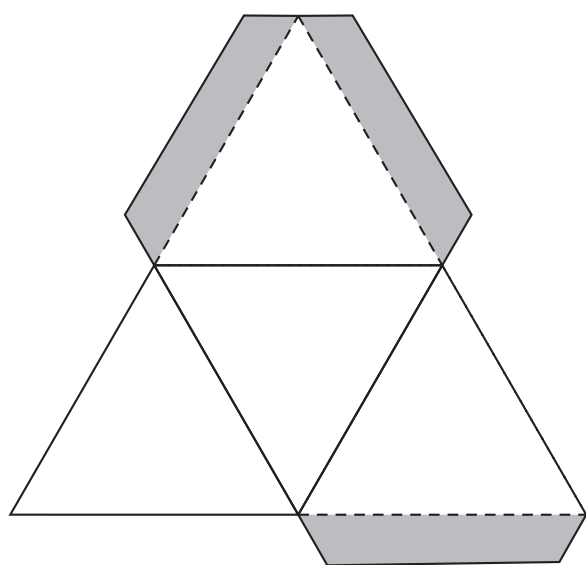
Probability Experiments

Experiment 1

36 Rolls of One Dot Cube

Outcome	Prediction	Tally	Total Frequency
1			
2			
3			
4			
5			
6			

Experiment 2

36 Rolls of Two Dot Cubes

Outcome	Prediction	Tally	Total Frequency
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

Estimating Perimeter, Area, and Volume

18. Find a rectangular room at school or at home and perform the following tasks. In the space provided, sketch the rectangular space of the floor:

19. Estimate the length and width of the room in yards by counting the number of big steps (1 big step ≈ 1 yard) needed to walk the length and width of the room. Record the estimated length and width on your sketch.

20. Estimate the perimeter of the room in yards. _____

21. Wall-to-wall carpeting is sold in square yards. Estimate the floor area of the room

in square yards. _____

22. To estimate the volume of the room, you need to find its height. Estimate the height of the room in yards. (*Hint:* The height of a door might be about $2\frac{1}{4}$ yards. Estimate the height of the space above a door and add the two heights together
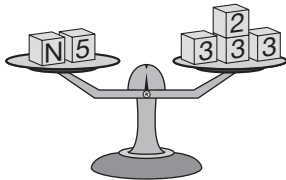
to get the total height.) _____

23. Estimate the volume of the room in cubic yards. _____

 Saxon Math Intermediate 4
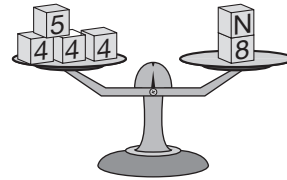
Balanced Equations

1.
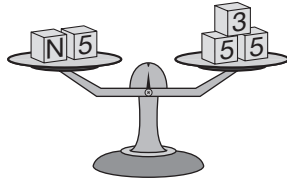
Equation: _____

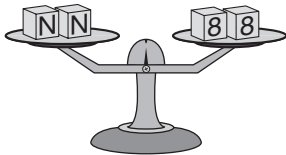Solution: N = _____

2.
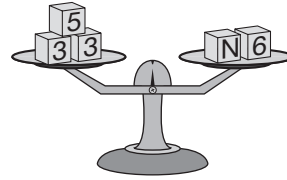
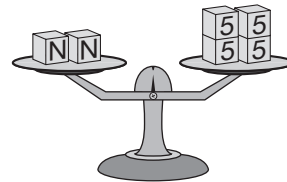Equation: _____

Solution: N = _____

3.

Equation: _____
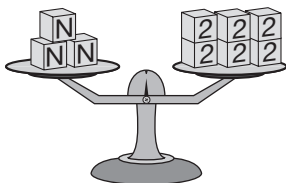
Solution: N = _____

4.

Equation: _____

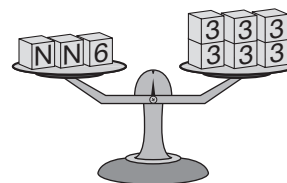Solution: N = _____

5.

Equation: _____

Solution: N = _____

6.

Equation: _____

Solution: N = _____

7.

Equation: _____

Solution: N = _____

8.

Equation: _____

Solution: N = _____