Ordering

Name: _____   **Date:** _____

1. Below are the dimensions of four stamps, in inches. Order the stamps below from greatest area to least area.

$\frac{3}{4} \times \frac{3}{4}$ $\frac{5}{8} \times \frac{5}{8}$ $\frac{3}{4} \times 1\frac{1}{4}$ $1\frac{1}{4} \times 1\frac{1}{4}$

2. Put these expressions in order from the *least* to the *greatest* value.

$|-5 + 4|$ $|4 - (-5)|$ $|4 + (-8)|$ $|-8|$

3. Below is an equation followed by steps for solving it. The steps, however, are not in the correct order. Put them in order to show the solution.

$3(x + 6) + 2x = 8x - 2(2x - 4)$

$5x + 18 = 4x + 8$

$x = -10$

$x = 8 - 18$

$3x + 18 + 2x = 8x - 4x + 8$

$5x - 4x + 18 = 8$

$x + 18 = 8$

4. The Wilderness Scouts organization is having a raffle as a fund raiser. For people who would like to purchase more than one ticket, there are bulk purchasing options.

   The bulk purchasing options are listed below. Put the options in order from best value per ticket (least expensive) to worst value per ticket (most expensive).
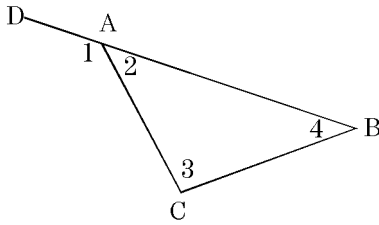
   | 2 tickets for $0.99 |

   | 3 tickets for $1.59 |

   | 6 tickets for $2.99 |

   | 12 tickets for $5.49 |

   | 20 tickets for $9.99 |

5. Given the diagram, $\triangle ABC$ is any triangle, $\angle 1$ is an exterior angle.

   Arrange the following steps in order of first to last to prove that $m\angle 1 = m\angle 3 + m\angle 4$.

   | $m\angle 1 + m\angle 2 - m\angle 2 = m\angle 3 + m\angle 4 + m\angle 2 - m\angle 2$ |

   | $m\angle 1 + m\angle 2 = 180°$ |

   | $m\angle 1 = m\angle 3 + m\angle 4$ |

   | $m\angle 3 + m\angle 4 + m\angle 2 = 180°$ |

   | $m\angle 1 + m\angle 2 = m\angle 3 + m\angle 4 + m\angle 2$ |

6.

TEXAS RIVERS

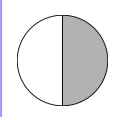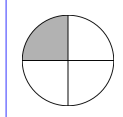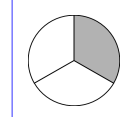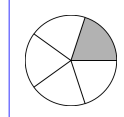| Name	Length in Miles
Brazos	923
Rio Grande	1,760
Colorado	862
Sabine	380

Anita made a chart of Texas rivers for geography class and gathered the information shown. In order from longest to shortest, how should she arrange these rivers on her final chart?
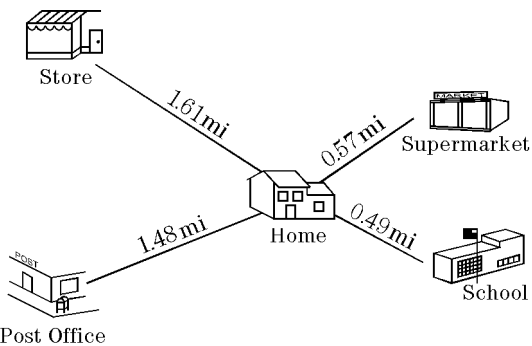
| Brazos | Rio Grande | Colorado | Sabine |

7. If $\bullet = \frac{1}{4}$, $\blacktriangle = \frac{1}{2}$, $\blacksquare = \frac{1}{8}$, and $\star = \frac{1}{3}$, place the shapes in the correct order from *greatest* to *least*.

| $\bullet$ | $\blacktriangle$ | $\blacksquare$ | $\star$ |

8. Order the models from least amount shaded to greatest amount shaded.

9. Paul walked to his favorite places from his home and used his new pedometer to measure the distances.
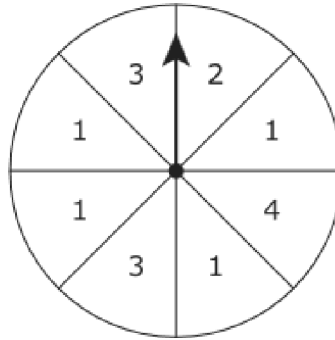

Place Paul's 4 favorite places in order from *greatest* to *least* distance from his home.

| store | school | post office | supermarket |

10. Determine the area of each shape below. Then order the shapes from the largest area down to the smallest area.

Ordering
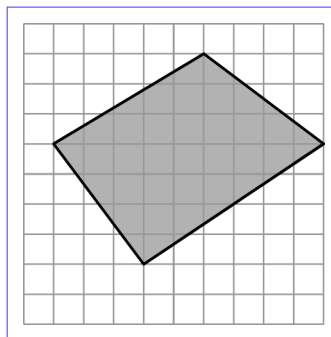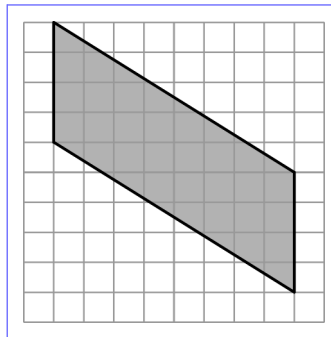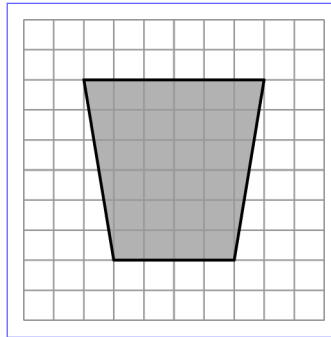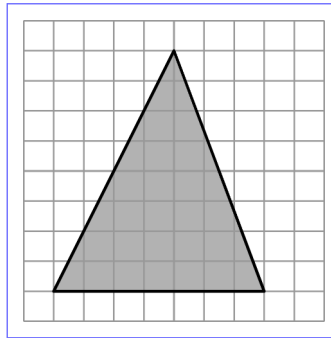
11. This spinner is divided into eight equal-sized sections. Each section is labeled with a number.

Jake spins the arrow on the spinner once.

Put the events in the correct order from least likely to most likely.

> **Arrow lands on a section labeled with an odd number.**

> **Arrow lands on a section labeled with the number 1.**

> **Arrow lands on a section labeled with a number less than 4.**

12. The figure shows a spreadsheet Shona made to record the mass, in grams, of several samples of cells. Her spreadsheet automatically converts the masses into scientific notation.

	A	B
1	**Sample**	**Mass (grams)**
2	Sample A	7.50 E -5
3	Sample B	3.22 E -7
4	Sample C	8.00 E -10
5	Sample D	6.13 E -5

Arrange the four samples from least mass to greatest mass.

Sample A   **Sample B**   **Sample C**   **Sample D**

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