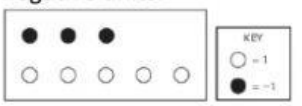
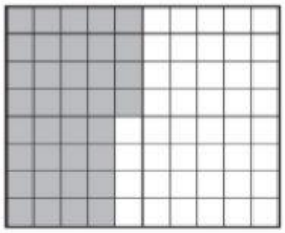
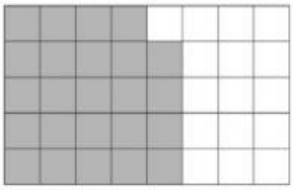
Name: _____ **Homework #1** Score = _____/20

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. ***To earn full credit, you must show some work when solving equations.***

**IMPORTANT: Go to this link and insert your answers →

<table>
<tr>
<td>Thursday</td>
<td>Solve.<br>$4(2) + 18 - 4$</td>
<td>Which equation is NOT true?<br>A $-4 + (-3) = -7$<br>B $-8(2) = -16$<br>C $3 - (-2) = 5$<br>D $-12 \div (-3) = -4$</td>
<td>Solve.<br>$(-6)(2) + (-8 \div 4)$</td>
<td>Ella played a math game and had the five cards shown.<br>7 | 0 | −4 | 2 | −10<br>Her score was the sum of the numbers on these five cards. What was Ella's score?<br>A 3<br>B 23<br>C −5<br>D Not here</td>
</tr>
<tr>
<td>Friday</td>
<td>Which list shows the temperatures in order from the coldest to warmest in degrees Fahrenheit?<br>A −10°F 8°F −5°F 0°F<br>B −5°F −10°F 0°F 8°F<br>C −10°F −5°F 0°F 8°F<br>D 0°F −5°F 8°F −10°F</td>
<td>Four points are labeled on the number line.<br>  <br><br>Which point represents the value of $\left|-\frac{1}{2}\right|$?<br>A Point P<br>B Point Q<br>C Point R<br>D Point S</td>
<td>George wrote an integer. The opposite of George's integer is −53.<br>Which of these statements about George's integer must be true?<br>I. The integer is 53.<br>II. The integer has an absolute value of −53.<br>III. The integer is −53.<br>IV. The integer has an absolute value of 53.<br>A I and II<br>B II and IV<br>C II and III<br>D I and IV</td>
<td>Which expression is equivalent to $\frac{8}{9} \div \frac{3}{4}$?<br>A $\frac{8}{4} \cdot \frac{9}{3}$<br>B $\frac{8}{9} \cdot \frac{4}{3}$<br>C $\frac{9}{8} \cdot \frac{3}{4}$<br>D $\frac{9}{8} \cdot \frac{4}{3}$</td>
</tr>
</table>

| | | | | |
|---|---|---|---|---|
| **Monday** | The circles in the model represent positive and negative units.<br>  <br><br>Which equation is true based on the model?<br>A $(-3)+5=-2$<br>B $(-3)+5=2$<br>C $-3+(-5)=-2$<br>D $3+(-5)=2$ | What is the value of the expression shown?<br>$4(-2)+(-10)+3(-8)$<br>A −22<br>B −13<br>C 7<br>D −42 | A group of 4 friends paid a total of $50.24 for tickets to a museum. Each friend paid the same amount for a ticket.<br>How much did each friend pay for a ticket to the museum?<br>A $200.96<br>B $10.01<br>C $12.01<br>D $12.56 | What is the value of $\frac{4}{15} \div \frac{2}{3}$ ?<br>F $\frac{8}{45}$<br>G $\frac{14}{15}$<br>H $\frac{5}{2}$<br>J $\frac{2}{5}$ |
| **Tuesday** | In Austin, Texas 8 bats ate 40 grams of insects in one night. At this rate, how many grams of insects could 64 bats eat in one night? | A barrel contained 60 gallons of water. Water leaked out of the barrel at a rate of 5 gallons every 3 days.<br>At this rate, how many days did it take for all 60 gallons of water to leak out of the barrel?<br>F 20 days<br>G 12 days<br>H 100 days<br>J 36 days | A window washer cleaned 38 windows in 2 hours. At this rate, how many windows did he clean in 7 hours? | A grocery store orders 4 large containers of milk for every 7 small containers of milk. Which ratio could represent the number of large containers of milk to small containers of milk in an order from the grocery store?<br>F 18:21<br>G 14:8<br>H 16:49<br>J None of these |
| **Wednesday** | A housepainter mixed 5 gal of blue paint with every 9 gal of yellow paint in order to make a green paint. Which ratio of gallons of blue paint to gallons of yellow paint will make the same shade of green paint?<br>A 30 : 54<br>B 6 : 10<br>C 10 : 45<br>D 27 : 15 | A baseball traveled 330 feet in 5 seconds. Which rate is equivalent to the rate at which the baseball traveled?<br>A 55 feet per second<br>B 66 feet per second<br>C 55 seconds per foot<br>D 66 seconds per foot | The rectangular model is made up of squares. Each square is of equal size. What percentage of the model is shaded?<br>  <br>F 36%<br>G 50%<br>H 45%<br>J 40% | The shaded area on the grid represents the part of a rectangular wall that was painted. Each small square on the wall has the same dimensions.<br>  <br>What percentage of the wall was painted?<br>A 64%<br>B 24%<br>C 60%<br>D 16% |