Math Conce Assigned Thu	pts Problem S ursday 2/13, du	Set 19Namne Friday 2/21	e	Period	
<b>1. a</b> ) What pe <b>b</b> ) What pe	ercent are phon ercent are bino	es? culars?		<b>B B</b>	
<ul> <li><b>2. a)</b> What is</li> <li><b>b)</b> What is</li> <li><b>c)</b> What pe</li> </ul>	the ratio of co the ratio of wa rcent of the dis	ffee cups to water glass ater glasses to total disl shes are coffee cups?	ses? nes?		
<b>3.</b> Simplify ea <b>a</b> ) x + x + 3 +	ach algebra exp - x + x	pression. <b>b</b> ) $y + 1 + y + 1 + 4y$	<b>c)</b> 5w	-2w + 3w + w	
<ul><li>4. Write the a</li><li>a) the product</li><li>d) twelve model</li></ul>	Substituting the set of $k$ and $3$ re than $m$	<ul> <li>a for each phrase. U</li> <li>b) nine less than n</li> <li>e) the sum of 2 and .</li> </ul>	se your iPad to l c) the x f) the j	ook up word defin sum of <i>w</i> and ten product of 129 and	itions. I y
<b>5.</b> Use the number $a - 2 + -5 - 3$	mber line to fir + 1 <b>b</b> ) -9	nd your answers. 9 + 7 + -7 c) 10	+ -11 + 3	<b>d</b> ) −3 + −3 +	+ -3 + -3
-10 -9	9 -8 -7 -6 -3	5 -4 -3 -2 -1 0 1	2 3 4 5	5 7 8 9 10	
<b>6.</b> Simplify ea a) <sup>17</sup> / <sub>10</sub>	ach fraction to b) $\frac{17}{7}$	a mixed number. c) $\frac{17}{3}$	<b>d</b> ) $\frac{30}{4}$	e) $\frac{603}{100}$	
<b>7.</b> Convert ea <b>a</b> ) 1 <sup>7</sup> / <sub>8</sub>	ch mixed num <b>b</b> ) $2\frac{4}{5}$	ber to an improper frac c) $3\frac{1}{20}$	ction greater that <b>d</b> ) $5\frac{3}{7}$	1 one. <b>e)</b> $10\frac{2}{3}$	
8. Make a poi	rtion web for e	ach number. <b>a</b> ) 0.2	<b>b</b> ) 0.05	<b>c</b> ) 1.75 <b>d</b> ) 0	.001
<b>9.</b> Graph the o sports each w 0, 4, 0, 1, 1,	data on the his reekday by stud $1, \frac{1}{2}, 1\frac{1}{2}, 2, 2,$	togram below. Hours s dents: $\frac{1}{2}$ , 2, 2, 2, $1\frac{1}{2}$ , $1\frac{1}{2}$ , 1, 1, 2	pent doing after 2, 4, $\frac{1}{2}$ , $\frac{1}{2}$ , 2	school 10 500 10 10 10 6 - 500 6 - 4 - 2 - 0	- - 

Hours of Sports

**10.** Kelani wants to cut a piece of rope into several equally-sized pieces and then have a 10-foot piece remaining. Help Kelani figure out how long to make each of the equally-sized pieces.



**11.** Richard's strategy for changing a percent to a decimal is to put the decimal point in front of the percent number. An example of his work is shown to the right. Do you agree with Richard's method? Explain your reasoning.

**12. a**) What is the probability of the spinner landing on 2? Write your probability as a percent.

**b**) What is the probability of the spinner landing on an even number?

c) What is the probability of the spinner landing on a number less than 4?

d) What is the probability of the spinner landing on a number less than 5?

**13.** Find the area.



14. Find the distance between each pair of points.a) (8, 3) and (8, -2)

- **b**) (-1, 9) and (-5, 9)
- **c**) (−7, 6) and (4, 6)

**d**) (−3, −2) and (−3, −4)



80% = 0.80

3

1

4

800% = 0.800