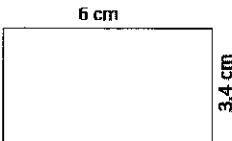|				
Weekly Math # 14			Name: _____	
YOU MUST SHOW WORK!			Date Due: _____ Block: _____	

1. Solve. $42.82 + 9.1 - 4.106$	2. Solve. $$\dfrac{17 + 3^3 - 2(4)}{16 \div 8}$$	3. **Calculator Ok** Rachel bought a notebook that costs $3.50 without tax. After sales tax, the notebook is $3.75. What is the sales tax rate? **Round to the nearest percent.**	4. Solve and simplify. Write your answer as **a decimal**. $$2\dfrac{5}{8} \times 1\dfrac{3}{7}$$	1._____ 2._____ 3._____ 4._____
5. What is the value of the expression if $x = 8$ and $y = -5$? $10 + 3x - 2y$	6. **Calculator Ok** Cade saved $30 per month for $3\dfrac{1}{2}$ years. He spent 55% of his savings on a new pair of shoes. How much money does he have left?	7. Compare using $<, >,$ or $=$ $-5 - 6 \bigcirc 6 - (-5)$	8. **Calculator Ok** Braden made a scale drawing of a rectangular room in his house. The actual length of his room is $14\dfrac{3}{4}$ ft. The scale used to make the drawing was $\dfrac{1}{3} in =$ $1\,ft.$ What is the length, in inches, of the room on the drawing?	5._____ 6._____ 7._____ 8._____
9. Find the next term in the pattern. $8, 2, -4, -10, \_\_\_$	10. Simplify. $|75| + -21$	11. **Calculator Ok** At one store, a watch is on sale for 15% off the regular price of $79.95. At the other store, the same kind of watch is on sale for 20% off the regular price of $80.50. What is the difference between the sale prices of the two stores?	12. Solve. Write your answer as an **improper fraction**. $$3\dfrac{1}{3} + \left(-2\dfrac{1}{5}\right)$$	9._____ 10._____ 11._____ 12._____

13. Emily makes jam. To make 8 jars of jam, she uses 6 cups of sugar. How many cups of sugar are need to make 1 jar of jam? Write answer as a fraction.	**14.** The band boosters plan to have a car wash as a fundraiser. They will charge $5 per car and $8 per van. How much money will they raise if they wash 10 vans and 8 cars?	**15.** A car uses $\frac{1}{25}$ of a gallon of gas to drive $\frac{1}{5}$ of a mile. At this rate, how many miles can the car travel using one gallon?	**16.** Solve. $2.25 \div 1.5$	**13.**_____ **14.**_____ **15.**_____ **16.**_____

17. Jake made two pizzas of the same size.
- At the end of the day, there was $\frac{2}{5}$ of a peperoni pizza left.
- There was $\frac{3}{10}$ of a cheese pizza left.
- Jake divided the remaining peperoni pizza into 2 equal pieces and the remaining cheese pizza into 3 equal pieces.

Which type of pizza had larger pieces?

A. Peperoni pizza
B. cheese pizza

18.
A S'mores snack recipe requires:
- $\frac{3}{4}$ c. chocolate chips
- $2\frac{1}{2}$ c. Golden Graham cereal
- $3\frac{1}{2}$ c. popcorn
- $1\frac{1}{2}$ c. mini pretzels
- $1\frac{3}{4}$ c. mini marshmallows

A serving size for this recipe is $\frac{2}{3}$ cup. What is the maximum number of whole servings this recipe makes?

19.
Mrs. Taylor has 6 cards labeled with rational numbers.

- **Two** cards are labeled −6.35
- **One** card is labeled −7.53
- **Three** cards are labeled 8.31

What is the sum of the numbers on the cards?

20.
John makes $2500 a month.
- $\frac{1}{10}$ goes to food
- $\frac{2}{5}$ goes to rent
- $\frac{1}{5}$ goes to utilities

How much money does he have left at the end of the month?

17._____

18._____

19._____

20._____

21. **Calculator Ok**
The temperature dropped from 65 degrees to 32 degrees. What was the percent decrease in temperature? Round to the nearest percent.

22. **Calculator Ok**
Audree's drawing of her garden is below. Her scale is 1cm = 2.5ft. What will be the actual area of Audree's garden?

6 cm

3.4 cm

23.
Mr. Martin has a bag containing $16\frac{1}{2}$ cups of flour. If he uses $3\frac{2}{3}$ cups in a recipe, how much flour will he have left?

24. **Calculator Ok**
Choose the better buy?

A) 15 lbs for $4.56

B) 23 lbs for $7.59

21._____

22._____

23._____

24._____