warm up 11/16—11/20   name_____

1. Add. Write your answer in simplest form.
$1\frac{1}{3} + 2\frac{1}{4}$

2. Mr. Mitchell bought weekly lunch tickets for each of his 3 children. Weekly lunch tickets cost $5.30 each. One week, Mr. Mitchell paid for the lunch tickets with a twenty dollar bill. What is the correct change he should receive from his twenty dollar bill?

3. A contractor charges $75 to do a house call and $25 for each hour he works. Reed paid the contractor $250. How long did he work at Reed's house? <u>Write and solve</u> an *algebraic equation* to represent the situation.

1. The school sells biscuits for $2.00 each. Kimmie has $10.00 with her. At most, how many biscuits could Kimmie buy?

Explain, using a complete sentence, how you figured this out.

2. The table below shows the length of the hiking trails at a local park. Aaron hikes half of the blue trail. What distance did he hike?

Hiking Trails	
Trail	Length (miles)
Red	1.09
Blue	1.86
Green	1.10
Yellow	1.28

3. One box of clips weighs $4\frac{2}{3}$ ounces. Another box weighs $5\frac{3}{8}$ ounces. What is the total weight of the two boxes?

1. Kate has a piece of material that is $3\frac{3}{4}$ yards long. She needs 5 pieces of equal length. How long will each piece be if she uses all the material?

2. The temperatures on the moon range from -173°C to 127°C. Find the difference between the maximum and minimum temperatures.

3. Solve the following 2-step equation.

$$-3x - 5 = 34$$

Check your solution:

1. Solve the following 2-step equation.

$$\frac{x}{-5} + 3 = 18$$

Check your solution:

2. At closing time, the bakery had $2\frac{1}{4}$ apple pies and $1\frac{1}{2}$ cherry pies left. How much more apple pie than cherry pie was left?

3. Marcus divides the numerator and denominator of $\frac{48}{72}$ by the greatest common factor to simplify the fraction in one step. By what number does he divide?