Grade 7 Weekly Review # 9 Mathlete: _____

1) What is the perimeter of this rectangle?

Perimeter = _____

12cm
108cm²

7cm
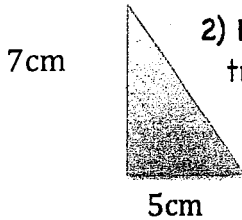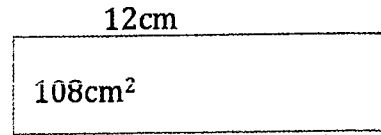
2) Find the area of the triangle [hint draw a rectangle around the triangle and find that area and take half of that area for the triangle or use the formula (base x height divided by 2)]

5cm

3) Find the area and perimeter of this paraellogram with these dimensions.(measurements)
b = 10cm, h = 6cm, a = 7cm   Perimeter = _____ Area = _____
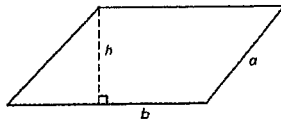
4) Add these fractions. Put all answers in lowest terms.

$\frac{1}{3} + \frac{1}{3} =$ $\frac{1}{7} + \frac{3}{7} =$ $4 + \frac{1}{3} =$ $\frac{2}{3} + \frac{4}{3} =$

5) **Draw a diagram to show that** $4\frac{1}{4} = \frac{17}{4}$

6) **Put these fractions in lowest terms**

$\frac{6}{8} = \underline{\ }$ $\frac{14}{36} = \underline{\ }$ $\frac{25}{100} = \underline{\ }$ $\frac{15}{15} = \underline{\ }$ $\frac{100}{200} = \underline{\ }$

8) **Write these mixed numbers as improper fractions**

$2\frac{2}{3} =$ $4\frac{2}{3} =$ $5\frac{2}{9} =$ $2\frac{2}{7} =$ $8\frac{4}{5} =$

7) **List all the factors of 100** _____

9) **Using what you know about the factors of 100. Find the numerator for the equivalent fraction**

$\frac{5}{4} = \frac{\ }{100}$ $\frac{6}{10} = \frac{\ }{100}$ $\frac{17}{20} = \frac{\ }{100}$ $\frac{16}{50} = \frac{\ }{100}$ $\frac{4}{5} = \frac{\ }{100}$ $\frac{21}{25} = \frac{\ }{100}$

Problem Solving Practice- you will need a calculator for these problems

1. The cafeteria pays $7.00 for a box of 12 granola bars . They sell the bars for $0.75 each. If they sell 8 boxes of granola bars how much profit will they make? (Hint: Remember profit is what you make after you have paid for your expenses)

2. To make money the Brock parent group decided to buy a $1350.00 mountain bike to raffle off. The tickets are 5 for $6.00. What is the least number of tickets that the parent group has to sell to pay for the bike?

3. Mandy spent her day at Sun Peaks skiing. The chart shows her schedule. What percentage of her day was spent skiing?

Depart from home	10:30
Travel Time	1 hour
Skiing	1.5 hours
Riding on lift	1 hour
Lunch Break	1 hour
Building a snow fort	1 hour
Bathroom Breaks	0.5 hour
Arrive Home	4:30

4. What numbers come next in this pattern: 1,3,6,10, _____, _____, _____,_____

5. Gun Hay Fat Choy- Happy New Year in Chinese! The Wok Box has a special combination dinner. You can choose any 3 of the following items. What are all of the possible combinations? Show all your work.
A. Rice
B. Chow Mein
C. Sweet & Sour Ribs
D. Prawns
E. Egg Rolls