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1. Find the Prime Factorization of the number below. Write your answer on the line provided using exponents if needed. Do not use a calculator. **Show your work.**

2. Simplify the following problem. Do not use a calculator. **Show your work.**

$$3(15 - 4) + 5(7) - (20 - 18 \div 3^2)$$

Use the Distributive property and write as a product using the GCF.

It takes 5 months to build 2 playgrounds. Find the <u>unit rates</u> for each and fill in the blanks. You may use a calculator.

- 5. For each month you can make ______playground.
- 6. For each playground it takes months.

Fill in the missing values in the ratio tables below. You may use a calculator

7.

35	7
45	

Q

	27
126	18

0

21	25			
	225			

10.

78	
26	19

11. Change the following improper fractions to mixed numbers:

$$^{73}/_{7} =$$

$$^{48}/_{9} =$$

- **12.** 7 bags for \$97.16 Find the price per bag. You may use a calc. Show your thinking.
- 13. Circle the ratios that are equivalent to 3:8

<u>25</u> <u>33</u> 32 80 <u>27</u> <u>21</u> 72 56

Weekly Review #12	Math	Nam	ne		Due			
You may use a calculator on problems 14 - 17. Show your thinking!								
14. 4/5 of the pets had the were 6205 pets in the count their shots?				•			•	the game. the total?
16. Solve this problem using Shannon earned \$132.50 for								
a. How much did Shannon	earn pe	r hour	?					
b. At this rate, how many hours will she have to work to earn \$980.50?								
c. How much will he earn if she works for 39.5 hours?								
17. For every 4 small popcorns sold at the theater there were 3 large sold. Complete the table below and answer the questions.								
Small popcorns								
Large popcorns								
 a. For every small popcorn that was sold large popcorn(s) were sold. b. For each large popcorn that was sold small popcorn(s) were sold. c. If 68 small popcorns were sold, how many large popcorns were sold? 								
d. If 84 large popcorns were sold, how many small popcorns were sold?								