## Unit 3 Lesson 6 Cumulative Practice Problems

1. A pink paint mixture uses 4 cups of white paint for every 3 cups of red paint. The table shows different quantities of red and white paint for the same shade of pink. Complete the table.

|  |  |
| --- | --- |
| * white paint (cups)
 | * red paint (cups)
 |
| * 4
 | * 3
 |
|  | * 1
 |
| * 1
 |  |
|  | * 4
 |
| * 5
 |  |

1. A farm lets you pick 3 pints of raspberries for $12.00.
	1. What is the cost per pint?
	2. How many pints do you get per dollar?
	3. At this rate, how many pints can you afford for $20.00?
	4. At this rate, how much will 8 pints of raspberries cost?
2. Han and Tyler are following a polenta recipe that uses 5 cups of water for every 2 cups of cornmeal.
	* Han says, “I am using 3 cups of water. I will need $1\frac{1}{5}$ cups of cornmeal.”
	* Tyler says, “I am using 3 cups of cornmeal. I will need $7\frac{1}{2}$ cups of water.”
* Do you agree with either of them? Explain your reasoning.
1. A large art project requires enough paint to cover 1,750 square feet. Each gallon of paint can cover 350 square feet. Each square foot requires $\frac{1}{350}$ of a gallon of paint.
* Andre thinks he should use the rate $\frac{1}{350}$ gallons of paint per square foot to find how much paint they need. Do you agree with Andre? Explain or show your reasoning.
*
1. Andre types 208 words in 4 minutes. Noah types 342 words in 6 minutes. Who types faster? Explain your reasoning.
* (From Unit 3, Lesson 5.)
1. A corn vendor at a farmer's market was selling a bag of 8 ears of corn for $2.56. Another vendor was selling a bag of 12 for $4.32. Which bag is the better deal? Explain or show your reasoning.
* (From Unit 3, Lesson 5.)
1. A soccer field is 100 meters long. What could be its length in yards?
	1. 33.3
	2. 91
	3. 100
	4. 109
* (From Unit 3, Lesson 3.)



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