Foundations of Algebra Unit 2

**Day 2 Practice**

1. Describe and correct the error in the proportion below to solve the following problem: To make green eggs and ham, 3 drops of blue food coloring is mixed with 4 drops of yellow food coloring. Find the number *b* of blue drops to add to 18 drops of yellow.



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| What is the error? | Let’s fix it… |

2. The ratio of Isabella’s money to Shane’s money is 3:11. If Isabella has $33, how much do they have together?

3. Mrs. Churchill and Ms. Shaffer were folding report cards to send home to parents. The ratio of reports that Mrs. Churchill folded to Ms. Shaffer was 2:3. By the end of the day, they had folded 255 report cards. How many did each person fold?

4. The ratio of men to women working at Harrison is 2:9. Thirty men work at Harrison. In all how many **people** work there?

5. The ratio of domestic cars to imported cars in the lot at Al’s Auto Shop is 3:2. There are 42 domestic cars in the shop. How many cars are there all together?

6. In a recent survey, 7 out of 10 people prefer coffee in the morning. The rest said they prefer tea. If 27 people said they prefer tea, how many people were interviewed?

7. Abbie spent of her money and saved the rest. If she spent $45, how much money did she have at first?