Directions: Use your RDW process to solve each problem. Use a letter to represent the solution.

1. There are 60 seconds in 1 minute. Use a tape diagram to find the total number of seconds in 5 minutes and 45 seconds.

   \[
   5 \times 60 = n \\
   n = 300 \\
   t = 300 + 45 \\
   t = 345 \\
   \text{There are 345 seconds in 5 minutes and 45 seconds.}
   \]

2. Lupe saves $30 each month for 4 months. Does she have enough money to buy the art supplies below? Explain why or why not.

   \[
   4 \times 30 = m \\
   m = 120 \\
   \text{Lupe saved $120 in 4 months.} \\
   \text{Lupe does not have enough money to buy the art supplies. She is $22 short. The good news is she just has to save for 1 more month.}
   \]

3. Brad receives 5 cents for each can or bottle he recycles. How many cents does Brad earn if he recycles 48 cans and 32 bottles?

   \[
   48 \text{ cans} \quad 32 \text{ bottles} \\
   t = 48 + 32 \\
   t = 80 \\
   m = 80 \times 5 \\
   m = 400 \\
   \text{Brad earns 400 cents from recycling.}
   \]
4. A box of 10 markers weighs 105 grams. If the empty box weighs 15 grams, how much does each marker weigh?

\[ g = 105 - 15 \]
\[ g = 90 \text{ grams} \]

\[ 90 \div 10 = p \]
\[ p = 9 \]

Each marker weighs 9 grams.

5. Mr. Perez buys 3 sets of cards. Each set comes with 18 striped cards and 12 polka dot cards. He uses 49 cards. How many cards does he have left?

\[ 18 + 12 = 30 \]
\[ 2 \times 10 \]
\[ 30 + 30 + 30 = c \]
\[ c = 90 \]

\[ 90 \]
\[ 90 - 49 = e \]
\[ 40 \times 0,1 \]
\[ e = 41 \]

Mr. Perez has 41 cards left.

6. Ezra earns $9 an hour working at a bookstore. She works 7 hours each day on Mondays and Wednesdays. How much does Ezra earn each week?

\[ m = 7 \times 9 \]
\[ m = 63 \]

\[ t = 63 + 63 \]
\[ t = 126 \]

Ezra earns $126 each week.