6-5 Homework

Name **Date**

Solve each problem. *Show your work.*

1. Michael has 21 T-shirts. One third of them are blue. How many of Michael's T-shirts are blue?

2. There are 476,092 fish in the city aquarium. That number of fish is 476,070 more fish than Nadia has in her aquarium. How many fish does Nadia have in her aquarium?

3. Anne-Marie has saved 9 dollars for a new coat. That is $\frac{1}{6}$ as much money as she needs. How much does the coat cost?

4. Last year it rained on 63 days in Mudville. There were 7 times as many days of rain in Mudville as in Desert Hills. How many days did it rain in Desert Hills last year?

5. Maria wants to buy a new car. She will choose a green car or a silver car. The green car costs $16,898, and the silver car costs $1,059.75 less than the green car. What is the cost of the silver car?

6. At a country-music concert, 48 people played guitars. That number is 6 times as many as the number of people who played banjos. How many people at the concert played banjos?

7. There are 8 apples left on the table. There are $\frac{1}{4}$ as many apples as bananas left on the table. How many bananas are there?

6-5 Remembering

Name _____ Date _____

Add or subtract.

1. $6\frac{6}{7} + 2\frac{3}{14}$

2. $1\frac{2}{3} - \frac{5}{9}$

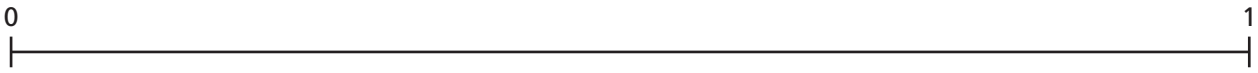
3. $12\frac{4}{5} - 8\frac{5}{10}$

4. $11 - 5\frac{5}{11}$

5. $7\frac{1}{5} + 1\frac{2}{3}$

6. $9\frac{3}{4} + 2\frac{5}{6}$

7. Use the number line to find $\frac{2}{3} \cdot \frac{4}{5}$.
   Label all the parts above and below. _____



Write an equation to solve the problem. Use mental math or estimation to show that your answer is reasonable.

8. Terrell runs two timed drills at practice. The first drill takes 33.5 seconds and the second drill takes 28.2 seconds. How much time does it take him to complete both drills?

   Equation: _____

   Estimate: _____

   _____

   _____

9. **Stretch Your Thinking** Maverick has a $12\frac{3}{4}$-foot-long streamer to decorate a hallway at his school. He cuts off $\frac{3}{8}$ of a foot from each end to make it fit the hallway. His principal asks him to make another streamer that is $\frac{5}{6}$ as long. How long is the new streamer?

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