**Lower Elementary:**

*Question:* Willy bought a candy bar for 99¢ and a bottle of water for $1.26. If he pays with a $5 bill, what is Willy’s change?

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**Upper Elementary:**

*Question:* Tiffany arrived at the airport at 3:50PM. Her flight was supposed to leave at 5:15PM, but it was delayed for 2 hours. How long was Tiffany at the airport before her flight left?

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**Middle School:**

*Question:* There are three candidates for class president. Becky received 25% of the total votes. Charles received 45% of the votes. Daniella received 300 votes. What is the total number of votes in the election?

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**Algebra and Up:**

*Question:* Gerald can paint a fence in 2 hours. Mandy can paint a fence in 3 hours. How long will it take them to paint a fence together?

**Lower Elementary:**

*Question:* Willy bought a candy bar for 99¢ and a bottle of water for $1.26. If he pays with a $5 bill, what is Willy’s change?

*Answer:* $2.75

*Solution:* The total amount Willy spent is 99¢ + $1.26 = $2.25. Because he pays $5, he will receive $5.00 – $2.25 = $2.75 as change.

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**Upper Elementary:**

*Question:* Tiffany arrived at the airport at 3:50PM. Her flight was supposed to leave at 5:15PM, but it was delayed for 2 hours. How long was Tiffany at the airport before her flight left?

*Answer:* 3 hours and 25 minutes

*Solution:* The plane left 2 hours after 5:15PM, which means it left at 7:15PM. It is 25 minutes from 3:50PM to 4:15PM and then it is 3 hours from 4:15PM to 7:15PM, so the total time Tiffany was at the airport was 3 hours and 25 minutes.

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**Middle School:**

*Question:* There are three candidates for class president. Becky received 25% of the total votes. Charles received 45% of the votes. Daniella received 300 votes. What is the total number of votes in the election?

*Answer:* 1,000 votes

*Solution:* We need to find the percent of the votes that Daniella received. From 100% of the votes, Becky has 25% of the votes and Charles has 45% of the votes. So Daniella has 100% – 25% – 45% = 30% of the votes. Since 300 votes represent 30% of the total votes, that means that 100 votes represent 10% of the total votes. So 1,000 votes represent 100% of the total votes.

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**Algebra and Up:**

*Question:* Gerald can paint a fence in 2 hours. Mandy can paint a fence in 3 hours. How long will it take them to paint a fence together?

*Answer:* 1 hour and 12 minutes

*Solution:* Gerald can paint 1 fence in 2 hours, so his rate is 1/2. Mandy can paint 1 fence in 3 hours, so her rate is 1/3. If we let x be the rate at which they can paint a fence together, they can paint 1 fence in x hours, so the rate is 1/x. So our equation is:

1/2 + 1/3 = 1/x

Combine the fractions.

5/6 = 1/x

Find the cross product.

5x = 6

Divide by 5.

x = 6/5 = 1 1/5

Together, Gerald and Mandy can paint a fence in 1 and 1/5 hours, or 1 hour and 12 minutes.