Solve each problem.

1) Roger spent 21 minutes on his math homework and 29.4 minutes on his spelling homework. He spent _____ percent more time on his spelling homework.

2) A small fruit smoothie is 22 ounces while a large fruit smoothie is 25.96 ounces. The large fruit smoothie is _____% larger.

3) Last year's phone model had a battery that lasted 15 hours. This year the battery only lasted for 10.5 hours. What was the percent the battery life decreased?

4) In February Janet got a puppy that weighed 12 kilograms. By October the puppy weighed 14.88 kilograms. What was the percent the puppy's weight increased?

5) A library normally collected $47.00 in fees a month. But in March they collected $59.22. What is the percent increase in the number of fees collected in March?

6) In the spring the average score for a division worksheet was 98. But back in the fall the average score was 49. The fall score was _____% lower than the spring score.

7) Amy's family decided to get rid of their cable TV. Originally they were paying $98.00 for the TV, internet and phone, but now they're paying $72.52. What was the percent the bill decreased by?

8) Normally a game costs $40.00. But the new special edition version is going to be $51.20. This is an increase of _____ percent.

9) At a restaurant the bill came to $82.00. If you leave $119.72, what percent tip is that?

10) Bianca used to live 12 kilometers away from the school, but after she moved she now lives 10.8 kilometers away. She is _____ percent closer to the school.
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