

**Solve each problem.****Answers**

- 1) It used to take Vanessa 8 minutes to do 20 multiplication problems. Now she can do the same page in 11.84 minutes. She is now \_\_\_\_\_ percent faster.
- 2) Last month Mike spent 86 dollars on games. This month he only spent \$58.48. He spent \_\_\_\_\_ percent less this month.
- 3) Katie's family decided to get rid of their cable TV. Originally they were paying \$98 for the TV, internet and phone, but now they're paying \$76.44. What was the percent the bill decreased by?
- 4) A game normally cost \$53, but Nancy used a coupon and got the game for \$32.86. The coupon was for \_\_\_\_\_ percent off.
- 5) In February Bianca got a puppy that weighed 14 kilograms. By October the puppy weighed 18.76 kilograms. What was the percent the puppy's weight increased?
- 6) In February Dave spent 34 hours watching Netflix. In March he only spent 19.72 hours watching. What was the percent decrease in the amount of time he spent watching?
- 7) Normally a chef uses 10 ounces of chocolate to make chocolate chip cookies. But he started using 11.2 ounces instead. He should advertise the cookies as having \_\_\_\_\_ percent more chocolate.
- 8) In the spring the average score for a division worksheet was 76. But back in the fall the average score was 54.72. The fall score was \_\_\_\_\_% lower than the spring score.
- 9) A pole was supposed to be 12 meters long, but it was accidentally made 16.32 meters long. The pole is \_\_\_\_\_ percent longer than it needs to be.
- 10) A small fruit smoothie is 14 ounces while a large fruit smoothie is 20.16 ounces. The large fruit smoothie is \_\_\_\_\_% larger.

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7. \_\_\_\_\_
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10. \_\_\_\_\_



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**Answers**

1. 48
2. 32
3. 22
4. 38
5. 34
6. 42
7. 12
8. 28
9. 36
10. 44



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28	42	36	12	22
48	34	44	38	32

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