| Examining Percent Increase and Decrease |
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|---|

Name:

| Solv | <u>Answers</u> | |
|------|--|----|
| 1) | Debby used to live 10 kilometers away from the school, but after she moved she now lives 7 kilometers away. She is percent closer to the school. | 1 |
| | | 2 |
| 2) | Frank spent 29 minutes on his math homework and 32.48 minutes on his spelling homework. He spent percent more time on his spelling homework. | 3 |
| | | 4 |
| 3) | Last year a fishing license cost \$57. This year the license will cost \$41.04. This is a percent decrease. | 5 |
| | | 6 |
| 4) | A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$18 worth of gift cards. This is an increase of percent. | 7 |
| - | | 8 |
| 5) | The price for internet on a phone was \$8 a month, but starting in November the price will be \$9.92 a month. This is a% increase. | 9 |
| O | | 10 |
| 6) | A store normally averaged 108 customers a day. But on the weekends they averaged 75.6 customers a day. What is the percent decrease in the number of customers? | |
| 7) | A small fruit smoothie is 30 ounces while a large fruit smoothie is 34.2 ounces. The large fruit smoothie is% larger. | |
| 8) | In the spring the average score for a division worksheet was 76. But back in the fall the average score was 44.08. The fall score was% lower than the spring score. | |
| 9) | Normally a game costs \$35. But the new special edition version is going to be \$40.6. This is an increase of percent. | |
| 10) | Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 13.44 ounces instead. He should advertise the cookies as having percent more chocolate. | |

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|-----|--|----------|---------------|
| | Examining Percent Increase and Decrease Name: An e each problem. | SW | er Key |
| 1) | Debby used to live 10 kilometers away from the school, but after she moved she now lives 7 kilometers away. She is percent closer to the school. | 1. | Answers 30 |
| 2) | Frank spent 29 minutes on his math homework and 32.48 minutes on his spelling | 2. | 12 28 |
| | homework. He spent percent more time on his spelling homework. | 3. 4. | 20 |
| 3) | Last year a fishing license cost \$57. This year the license will cost \$41.04. This is a percent decrease. | 5. | 24 |
| 4) | A store sold 15 dollars worth of gift cards in October. The next month the goal was to sell \$18 worth of gift cards. This is an increase of percent. | 6. 7. | 30 14 |
| 5) | The price for internet on a phone was \$8 a month, but starting in November the price will be \$9.92 a month. This is a% increase. | 8. 9. | 42 16 |
| 6) | A store normally averaged 108 customers a day. But on the weekends they averaged 75.6 customers a day. What is the percent decrease in the number of customers? | 10 | 12 |
| 7) | A small fruit smoothie is 30 ounces while a large fruit smoothie is 34.2 ounces. The large fruit smoothie is% larger. | | |
| 8) | In the spring the average score for a division worksheet was 76. But back in the fall the average score was 44.08. The fall score was% lower than the spring score. | | |
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| 10) | Normally a chef uses 12 ounces of chocolate to make chocolate chip cookies. But he started using 13.44 ounces instead. He should advertise the cookies as having percent more chocolate. | | |

Math

| | | Examining Pe | ercent Increase a | nd Decrease | Name: | | | |
|---------------------|---------------------------------|--|-----------------------|-----------------------|----------------------|-----------|--|--|
| Solve each problem. | | | | | | | | |
| \bigcap | 30 | 12 | 24 | 42 | 30 | | | |
| | 12 | 14 | 28 | 16 | 20 | 1 | | |
| 1) | Debby used to 7 kilometers a | 2 | | | | | | |
| 2) | - | 9 minutes on his ma e spent perce | | | | 4 | | |
| 3) | Last year a fis percent decrea | hing license cost \$! ase. | 57. This year the lic | cense will cost \$41. | 04. This is a | 6 | | |
| 4) | | 5 dollars worth of g gift cards. This is a | | | the goal was to sell | 7. 8. | | |
| 5) | - | internet on a phone onth. This is a | | ut starting in Nover | mber the price will | 9. 10. | | |
| 6) | | ally averaged 108 cm ay. What is the pero | • | | | | | |
| 7) | | smoothie is 30 ound is% larger. | es while a large fru | uit smoothie is 34.2 | ounces. The large | | | |
| 8) | | he average score fo was 44.08. The fall | | | | | | |
| 9) | | of percent. | the new special edi | tion version is goin | g to be \$40.6. This | | | |
| 10) | • | nef uses 12 ounces of 13.44 ounces instea chocolate. | | - | | | | |

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