Name Date

6.5

puzzle

Puzzle Time

**Why Did the Picture Go To Jail?**

Write the letter of each answer in the box containing the exercise number.

Find the new amount.

Answers for Exercises 1–8

T. 3 O. 119

S. 120 D. 27

F. 22 E. 56

M. 39 Y. 63

Answers for Exercises 9–16

O. 40% increase

B. 87.5% decrease

I. 20% decrease

R. 25% increase

E. 75% increase

M. 120% increase

D. 40% decrease

A. 125% increase

1. 42 customers increased by 50%

2. 70 pennies decreased by 20%

3. 30 inches increased by 30%

4. 125 pounds decreased by 4%

5. 15 acres decreased by 80% 6. 12 stamps increased by 125%

7. 68 days increased by 75% 8. 440 miles decreased by 95%

**Identify the percent of change as an *increase* or a *decrease*. Then find the percent of change.**

9. 20 ounces to 25 ounces 10. 10 hours to 6 hours

11. 15 feet to 33 feet 12. 80 books to 64 books

13. 64 minutes to 144 minutes 14. 16 skateboards to 2 skateboards

15. 55 videos to 77 videos 16. 13.6 kilometers to 23.8 kilometers

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | 15 | 11 | 2 | 14 | 7 | 10 | 1 |  | 8 | 9 | 13 | 3 | 16 | 6 |  | 12 | 5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |