

Percent Change (7NS 1.6):

Percent Increase

Name _____

Class _____ Date _____

Score _____

Shane's rent has increased from \$1500 to \$1875. What is the *percent of increase*?

- 1 Find the *difference* between the original and new values:

New value - original value
 $1875 - 1500 = 375$
Difference = \$375

- 2 Divide the difference you calculated in **step 1** by the original value .

$$\frac{375}{1500} \longrightarrow 0.25$$

- 3 Convert the decimal in **step 1** into a percent by moving the decimal place to the *right* two places and adding a percentage sign.

0.25
 25% increase

- 1) Convert the 0.25 into percentage form.

- A. 0.25%
- B. 2.5%
- C. 25%
- D. 250%

- 2) Convert the 0.6 into percentage form.

- A. 6%
- B. 60%
- C. 66%
- D. 600%

- 3) Convert the 0.375 into percentage form.

- A. 37.5%
- B. 3.75%
- C. 375%
- D. 0.375%

- 4) Convert the 0.99 into percentage form.

- A. 100%
- B. 99%
- C. 9.9%
- D. 0.99%

- 5) Convert the 1.370 into percentage form.

- A. 137%
- B. 13.7%
- C. 1.37%
- D. .0137%

- 6) A restaurant increases the cost of a hamburger from \$6.00 to \$9.00. What is the difference in cost?

- A. \$15.00
- B. \$9.00
- C. \$6.00
- D. \$3.00

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- 7) A plumbing company increases the cost of its hourly services from \$231.56 to \$239.41. What is the difference in cost?
- A. \$8.15
B. \$7.95
C. \$7.85
D. \$6.85
- 8) Jann's wages increase from \$15.21 per hour to \$21.45 per hour. What is the difference in wages?
- A. \$6.24
B. \$5.24
C. \$5.76
D. \$6.76
- 9) A computer store increases the cost of a laptop from \$1000 to \$1200. What is the percent price increase?
- A. 20%
B. 25%
C. 87%
D. 88%
- 10) A shoe store increases the cost of its best-selling sneaker from \$200 to \$220. What is the percent price increase?
- A. 9%
B. 10%
C. 20%
D. 200%
- 11) Scott's rent increases from \$520 per month to \$660 per month. What is the percent price increase?
- A. 20%
B. 27%
C. 21%
D. 79%
- 12) A movie ticket to the second-run theatre increases from \$0.50 on weekdays to \$1.75 on weekends. What is the percent price increase?
- A. 20%
B. 25%
C. 71%
D. 250%
- 13) The price of a set of silverware is increased from \$57 to \$72. What is the approximate percent price increase?
- A. 2.6%
B. 15%
C. 26%
D. 1%
- 14) A furniture store increases the cost of a \$100 table by x %. If the new cost of the table is \$107, what is x ?
- A. 7
B. 6.5
C. 6
D. 5
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