

Name

Date



PERCENTAGE INCREASE AND DECREASE SHEET 3

Find the final amounts after the percentage increase or decrease.

Working out

-
- 1) Increase \$1500 by 35%

 - 2) Decrease \$840 by 15%

 - 3) Increase 820 yards by 70%

 - 4) Decrease 52 inches by 25%

 - 5) Increase 72 gallons by 12%

 - 6) Increase 120 miles by 36%

 - 7) Decrease 82 ounces by 15%

 - 8) Decrease \$7000 by 28%

 - 9) Increase 120 cm by 32%

 - 10) Decrease 180 lb by 14%

 - 11) Increase 130 seconds by 22%

 - 12) Decrease 320 minutes by 65%

 - 13) Increase 76 miles by 86%

 - 14) Decrease \$12,000 by 72%

 - 15) Increase \$9,000 by 43%

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PERCENTAGE INCREASE AND DECREASE SHEET 3 ANSWERS

Working out

- | | |
|---------------------------------|--|
| 1) Increase \$1500 by 35% | $35\% \text{ of } 1500 = 525$
$\text{Answer: } \$1500 + \$525 = \$2025$ |
| 2) Decrease \$840 by 15% | $15\% \text{ of } 840 = 126$
$\text{Answer: } \$840 - \$126 = \$714$ |
| 3) Increase 820 yards by 70% | $70\% \text{ of } 820 = 574$
$\text{Answer: } 820 + 574 = 1394 \text{ yards}$ |
| 4) Decrease 52 inches by 25% | $25\% \text{ of } 52 = \frac{1}{4} \text{ of } 52 = 13$
$\text{Answer: } 52 - 13 = 39 \text{ inches}$ |
| 5) Increase 72 gallons by 12% | $12\% \text{ of } 72 = 8.64$
$\text{Answer: } 72 + 8.64 = 80.64 \text{ gallons}$ |
| 6) Increase 120 miles by 36% | $36\% \text{ of } 120 = 43.2$
$\text{Answer: } 120 + 43.2 = 163.2 \text{ miles}$ |
| 7) Decrease 82 ounces by 15% | $15\% \text{ of } 82 = 12.3$
$\text{Answer: } 82 - 12.3 = 69.7 \text{ ounces}$ |
| 8) Decrease \$7000 by 28% | $28\% \text{ of } 7000 = 1960$
$\text{Answer: } \$7000 - \$1960 = \$5040$ |
| 9) Increase 120 cm by 32% | $32\% \text{ of } 120 = 38.4$
$\text{Answer: } 120 + 38.4 = 158.4 \text{ cm}$ |
| 10) Decrease 180 lb by 14% | $14\% \text{ of } 180 = 25.2$
$\text{Answer: } 180 - 25.2 = 154.8 \text{ lb}$ |
| 11) Increase 130 seconds by 22% | $22\% \text{ of } 130 = 28.6$
$\text{Answer: } 130 + 28.6 = 158.6 \text{ seconds}$ |
| 12) Decrease 320 minutes by 65% | $100\% - 65\% = 35\%$
$35\% \text{ of } 320 = 112.$
$\text{Answer: } 112 \text{ minutes}$ |
| 13) Increase 75 miles by 86% | $86\% \text{ of } 75 = 64.5$
$\text{Answer: } 76 + 64.5 = 139.5 \text{ miles}$ |
| 14) Decrease \$12,000 by 72% | $72\% \text{ of } 12000 = 8640$
$\text{Answer: } \$12000 - \$8640 = \$3360$ |
| 15) Increase \$9,000 by 43% | $43\% \text{ of } 9000 = 3870$
$\text{Answer: } \$9000 + \$3870 = \$12,870$ |