

NUMBER: percentage decreases/increases

Date: _____ Name: _____

Whole Numbers and Decimal Numbers

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Solve the percentage decrease problems below. Round answers to 2 d.p.

[1] Decrease 429 by 23%

[2] Decrease 445 by 24%

[3] Decrease 452 by 34%

[4] Decrease 24.16 by 19%

[5] Decrease 93.16 by 27%

[6] Decrease 568 by 61%

[7] Decrease 191 by 64%

[8] Decrease 202 by 91%

[9] Decrease 219 by 39%

[10] Decrease 647 by 62%

[11] Decrease 652 by 18%

[12] Decrease 86.56 by 16%

[13] Decrease 13 by 17%

[14] Decrease 11.39 by 19%

[15] Decrease 2670.39 by 216%

Solve the percentage increase problems below. Round answers to 2 d.p.

[16] Increase 189 by 53%

[17] Increase 205 by 43%

[18] Increase 219 by 20%

[19] Increase 465 by 81%

[20] Increase 480 by 55%

[21] Increase 494 by 23%

[22] Increase 467 by 20%

[23] Increase 3.92 by 11%

[24] Increase 6.92 by 37%

[25] Increase 85 by 29%

[26] Increase 222 by 44%

[27] Increase 228 by 71%

[28] Increase 9.9 by 14%

[29] Increase 114 by 148%

[30] Increase 51.51 by 17%

ANSWERS

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Solve the percentage decrease problems below. Round answers to 2 d.p.

[1] Decrease 429 by 23%
= 330.33

[2] Decrease 445 by 24%
= 338.20

[3] Decrease 452 by 34%
= 298.32

[4] Decrease 24.16 by 19%
= 19.57

[5] Decrease 93.16 by 27%
= 68.01

[6] Decrease 568 by 61%
= 221.52

[7] Decrease 191 by 64%
= 68.76

[8] Decrease 202 by 91%
= 18.18

[9] Decrease 219 by 39%
= 133.59

[10] Decrease 647 by 62%
= 245.86

[11] Decrease 652 by 18%
= 534.64

[12] Decrease 86.56 by 16%
= 72.71

[13] Decrease 13 by 17%
= 10.79

[14] Decrease 11.39 by 19%
= 9.23

[15] Decrease 2670.39 by 216%
= -3097.65

Solve the percentage increase problems below. Round answers to 2 d.p.

[16] Increase 189 by 53%
= 289.17

[17] Increase 205 by 43%
= 293.15

[18] Increase 219 by 20%
= 262.80

[19] Increase 465 by 81%
= 841.65

[20] Increase 480 by 55%
= 744.00

[21] Increase 494 by 23%
= 607.62

[22] Increase 467 by 20%
= 560.40

[23] Increase 3.92 by 11%
= 4.35

[24] Increase 6.92 by 37%
= 9.48

[25] Increase 85 by 29%
= 109.65

[26] Increase 222 by 44%
= 319.68

[27] Increase 228 by 71%
= 389.88

[28] Increase 9.9 by 14%

[29] Increase 114 by 148%

[30] Increase 51.51 by 17%

= 11.29

= 282.72

= 60.27