

NUMBER: percentage decreases/increases

Date:

Name:

Whole Numbers

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

[1] Decrease 134 by 20%

[2] Decrease 150 by 19%

[3] Decrease 160 by 24%

[4] Decrease 15 by 12%

[5] Decrease 54 by 5%

[6] Decrease 94 by 56%

[7] Decrease 107 by 76%

[8] Decrease 116 by 95%

[9] Decrease 130 by 88%

[10] Decrease 226 by 17%

[11] Decrease 245 by 9%

[12] Decrease 260 by 55%

[13] Decrease 16 by 50%

[14] Decrease 32 by 180%

[15] Decrease 36 by 148%

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

[16] Increase 433 by 53%

[17] Increase 451 by 6%

[18] Increase 471 by 94%

[19] Increase 69 by 83%

[20] Increase 77 by 62%

[21] Increase 80 by 59%

[22] Increase 280 by 98%

[23] Increase 363 by 78%

[24] Increase 365 by 28%

[25] Increase 1459 by 25%

[26] Increase 1643 by 68%

[27] Increase 1657 by 67%

[28] Increase 260 by 129%

[29] Increase 321 by 117%

[30] Increase 328 by 230%

ANSWERS

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

[1] Decrease 134 by 20%
= 107.20

[2] Decrease 150 by 19%
= 121.50

[3] Decrease 160 by 24%
= 121.60

[4] Decrease 15 by 12%
= 13.20

[5] Decrease 54 by 5%
= 51.30

[6] Decrease 94 by 56%
= 41.36

[7] Decrease 107 by 76%
= 25.68

[8] Decrease 116 by 95%
= 5.80

[9] Decrease 130 by 88%
= 15.60

[10] Decrease 226 by 17%
= 187.58

[11] Decrease 245 by 9%
= 222.95

[12] Decrease 260 by 55%
= 117.00

[13] Decrease 16 by 50%
= 8.00

[14] Decrease 32 by 180%
= -25.60

[15] Decrease 36 by 148%
= -17.28

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

[16] Increase 433 by 53%
= 662.49

[17] Increase 451 by 6%
= 478.06

[18] Increase 471 by 94%
= 913.74

[19] Increase 69 by 83%
= 126.27

[20] Increase 77 by 62%
= 124.74

[21] Increase 80 by 59%
= 127.20

[22] Increase 280 by 98%
= 554.40

[23] Increase 363 by 78%
= 646.14

[24] Increase 365 by 28%
= 467.20

[25] Increase 1459 by 25%
= 1823.75

[26] Increase 1643 by 68%
= 2760.24

[27] Increase 1657 by 67%
= 2767.19

[28] Increase 260 by 129%

[29] Increase 321 by 117%

[30] Increase 328 by 230%

= 595.40

= 696.57

= 1082.40