

NUMBER: percentage decreases/increases

Date: _____ Name: _____

Whole Numbers and Decimal Numbers

<http://www.learnersgrid.com>

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

[1] Decrease 447 by 27%

[2] Decrease 466 by 23%

[3] Decrease 486 by 30%

[4] Decrease 24.5 by 29%

[5] Decrease 105.5 by 20%

[6] Decrease 563 by 57%

[7] Decrease 190 by 85%

[8] Decrease 209 by 79%

[9] Decrease 223 by 72%

[10] Decrease 510 by 82%

[11] Decrease 529 by 12%

[12] Decrease 451.3 by 25%

[13] Decrease 11 by 12%

[14] Decrease 2.25 by 23%

[15] Decrease 4442.25 by 236%

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

[16] Increase 374 by 15%

[17] Increase 382 by 52%

[18] Increase 393 by 70%

[19] Increase 484 by 96%

[20] Increase 500 by 56%

[21] Increase 509 by 45%

[22] Increase 179 by 93%

[23] Increase 3.62 by 10%

[24] Increase 20.62 by 45%

[25] Increase 467 by 25%

[26] Increase 572 by 52%

[27] Increase 589 by 58%

[28] Increase 0.093 by 28%

[29] Increase 83 by 124%

[30] Increase 306.6 by 21%

ANSWERS

NUMBER: percentage decreases/increases

Date:

Name:

Whole Numbers and Decimal Numbers

<http://www.learnersgrid.com>

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

[1] Decrease 447 by 27%
= 326.31

[2] Decrease 466 by 23%
= 358.82

[3] Decrease 486 by 30%
= 340.20

[4] Decrease 24.5 by 29%
= 17.40

[5] Decrease 105.5 by 20%
= 84.40

[6] Decrease 563 by 57%
= 242.09

[7] Decrease 190 by 85%
= 28.50

[8] Decrease 209 by 79%
= 43.89

[9] Decrease 223 by 72%
= 62.44

[10] Decrease 510 by 82%
= 91.80

[11] Decrease 529 by 12%
= 465.52

[12] Decrease 451.3 by 25%
= 338.48

[13] Decrease 11 by 12%
= 9.68

[14] Decrease 2.25 by 23%
= 1.73

[15] Decrease 4442.25 by 236%
= -6041.46

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

[16] Increase 374 by 15%
= 430.10

[17] Increase 382 by 52%
= 580.64

[18] Increase 393 by 70%
= 668.10

[19] Increase 484 by 96%
= 948.64

[20] Increase 500 by 56%
= 780.00

[21] Increase 509 by 45%
= 738.05

[22] Increase 179 by 93%
= 345.47

[23] Increase 3.62 by 10%
= 3.98

[24] Increase 20.62 by 45%
= 29.90

[25] Increase 467 by 25%
= 583.75

[26] Increase 572 by 52%
= 869.44

[27] Increase 589 by 58%
= 930.62

[28] Increase 0.093 by 28%

[29] Increase 83 by 124%

[30] Increase 306.6 by 21%

= 0.12

= 185.92

= 370.99