NUMBER: percentage decreases/increases

Date: **Name:**

Decimal Numbers   *http://www.learnersgrid.com*

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

[1] Decrease 349.2 by 16%

[2] Decrease 365.2 by 6%

[3] Decrease 10137.2 by 42%

[4] Decrease 507 by 16%

[5] Decrease 596 by 22%

[6] Decrease 618 by 58%

[7] Decrease 147.8 by 23%

[8] Decrease 1406.8 by 95%

[9] Decrease 1421.8 by 92%

[10] Decrease 71.69 by 15%

[11] Decrease 3.031 by 27%

[12] Decrease 7.131 by 44%

[13] Decrease 10.736 by 21%

[14] Decrease 20.736 by 181%

[15] Decrease 731.736 by 206%

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

[16] Increase 438.1 by 65%

[17] Increase 447.2 by 17%

[18] Increase 449.5 by 98%

[19] Increase 2.763 by 113%

[20] Increase 22.863 by 34%

[21] Increase 41.963 by 37%

[22] Increase 26.01 by 30%

[23] Increase 192.21 by 56%

[24] Increase 195.51 by 109%

[25] Increase 76.5 by 10%

[26] Increase 223.6 by 94%

[27] Increase 232.9 by 134%

[28] Increase 504.1 by 56%

[29] Increase 583.2 by 133%

[30] Increase 599.3 by 181%

ANSWERS

NUMBER: percentage decreases/increases

Date: **Name:**

Decimal Numbers   *http://www.learnersgrid.com*

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

[1] Decrease 349.2 by 16%
= 293.33

[2] Decrease 365.2 by 6%
= 343.29

[3] Decrease 10137.2 by 42%
= 5879.58

[4] Decrease 507 by 16%
= 425.88

[5] Decrease 596 by 22%
= 464.88

[6] Decrease 618 by 58%
= 259.56

[7] Decrease 147.8 by 23%
= 113.81

[8] Decrease 1406.8 by 95%
= 70.34

[9] Decrease 1421.8 by 92%
= 113.74

[10] Decrease 71.69 by 15%
= 60.94

[11] Decrease 3.031 by 27%
= 2.21

[12] Decrease 7.131 by 44%
= 3.99

[13] Decrease 10.736 by 21%
= 8.48

[14] Decrease 20.736 by 181%
= -16.80

[15] Decrease 731.736 by 206%
= -775.64

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

[16] Increase 438.1 by 65%
= 722.87

[17] Increase 447.2 by 17%
= 523.22

[18] Increase 449.5 by 98%
= 890.01

[19] Increase 2.763 by 113%
= 5.89

[20] Increase 22.863 by 34%
= 30.64

[21] Increase 41.963 by 37%
= 57.49

[22] Increase 26.01 by 30%
= 33.81

[23] Increase 192.21 by 56%
= 299.85

[24] Increase 195.51 by 109%
= 408.62

[25] Increase 76.5 by 10%
= 84.15

[26] Increase 223.6 by 94%
= 433.78

[27] Increase 232.9 by 134%
= 544.99

[28] Increase 504.1 by 56%

[29] Increase 583.2 by 133%

[30] Increase 599.3 by 181%

=   786.40   =   1358.86   =   1684.03