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 31.71 by 28%

[2]   Decrease 45.71 by 6%

[3]   Decrease 13272.71 by 35%

[4]   Decrease 60.61 by 23%

[5]   Decrease 116.61 by 22%

[6]   Decrease 156.61 by 51%

[7]   Decrease 181.7 by 28%

[8]   Decrease 1778.7 by 86%

[9]   Decrease 1790.7 by 34%

[10] Decrease 736.2 by 19%

[11] Decrease 272.9 by 17%

[12] Decrease 275.4 by 29%

[13] Decrease 9.923 by 19%

[14] Decrease 17.923 by 179%

[15] Decrease 448.923 by 164%

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

[16] Increase 3.147 by 70%

[17] Increase 23.247 by 80%

[18] Increase 27.447 by 67%

[19] Increase 1.609 by 111%

[20] Increase 11.909 by 16%

[21] Increase 22.009 by 50%

[22] Increase 27.24 by 140%

[23] Increase 294.44 by 85%

[24] Increase 306.64 by 113%

[25] Increase 11.7 by 29%

[26] Increase 121.8 by 129%

[27] Increase 137.9 by 142%

[28] Increase 826.3 by 59%

[29] Increase 913.5 by 141%

[30] Increase 929.7 by 54%

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 31.71 by 28%
= 22.83

[2] Decrease 45.71 by 6%
= 42.97

[3] Decrease 13272.71 by 35%
= 8627.26

[4] Decrease 60.61 by 23%
= 46.67

[5] Decrease 116.61 by 22%
= 90.96

[6] Decrease 156.61 by 51%
= 76.74

[7] Decrease 181.7 by 28%
= 130.82

[8] Decrease 1778.7 by 86%
= 249.02

[9] Decrease 1790.7 by 34%
= 1181.86

[10] Decrease 736.2 by 19%
= 596.32

[11] Decrease 272.9 by 17%
= 226.51

[12] Decrease 275.4 by 29%
= 195.53

[13] Decrease 9.923 by 19%
= 8.04

[14] Decrease 17.923 by 179%
= -14.16

[15] Decrease 448.923 by 164%
= -287.31

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

[16] Increase 3.147 by 70%
= 5.35

[17] Increase 23.247 by 80%
= 41.84

[18] Increase 27.447 by 67%
= 45.84

[19] Increase 1.609 by 111%
= 3.39

[20] Increase 11.909 by 16%
= 13.81

[21] Increase 22.009 by 50%
= 33.01

[22] Increase 27.24 by 140%
= 65.38

[23] Increase 294.44 by 85%
= 544.71

[24] Increase 306.64 by 113%
= 653.14

[25] Increase 11.7 by 29%
= 15.09

[26] Increase 121.8 by 129%
= 278.92

[27] Increase 137.9 by 142%
= 333.72

[28] Increase 826.3 by 59%

[29] Increase 913.5 by 141%

[30] Increase 929.7 by 54%

=   1313.82   =   2201.54   =   1431.74