NUMBER: percentage decreases/increases

Date: **Name:**

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

[1] Decrease 5.811 by 13%

[2] Decrease 32 by 26%

[3] Decrease 309 by 59%

[4] Decrease 30 by 18%

[5] Decrease 986.3 by 15%

[6] Decrease 1026.3 by 61%

[7] Decrease 168 by 66%

[8] Decrease 187 by 75%

[9] Decrease 199 by 98%

[10] Decrease 649.7 by 24%

[11] Decrease 657.7 by 24%

[12] Decrease 669.7 by 57%

[13] Decrease 13 by 55%

[14] Decrease 18 by 156%

[15] Decrease 27 by 188%

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

[16] Increase 219 by 31%

[17] Increase 236 by 42%

[18] Increase 241 by 34%

[19] Increase 243 by 86%

[20] Increase 260 by 36%

[21] Increase 273 by 38%

[22] Increase 0.195 by 16%

[23] Increase 70.195 by 87%

[24] Increase 78.195 by 33%

[25] Increase 442 by 21%

[26] Increase 600 by 43%

[27] Increase 612 by 94%

[28] Increase 732 by 102%

[29] Increase 0.314 by 21%

[30] Increase 4.314 by 161%

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 5.811 by 13%
= 5.06

[2] Decrease 32 by 26%
= 23.68

[3] Decrease 309 by 59%
= 126.69

[4] Decrease 30 by 18%
= 24.60

[5] Decrease 986.3 by 15%
= 838.36

[6] Decrease 1026.3 by 61%
= 400.26

[7] Decrease 168 by 66%
= 57.12

[8] Decrease 187 by 75%
= 46.75

[9] Decrease 199 by 98%
= 3.98

[10] Decrease 649.7 by 24%
= 493.77

[11] Decrease 657.7 by 24%
= 499.85

[12] Decrease 669.7 by 57%
= 287.97

[13] Decrease 13 by 55%
= 5.85

[14] Decrease 18 by 156%
= -10.08

[15] Decrease 27 by 188%
= -23.76

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

[16] Increase 219 by 31%
= 286.89

[17] Increase 236 by 42%
= 335.12

[18] Increase 241 by 34%
= 322.94

[19] Increase 243 by 86%
= 451.98

[20] Increase 260 by 36%
= 353.60

[21] Increase 273 by 38%
= 376.74

[22] Increase 0.195 by 16%
= 0.23

[23] Increase 70.195 by 87%
= 131.26

[24] Increase 78.195 by 33%
= 104.00

[25] Increase 442 by 21%
= 534.82

[26] Increase 600 by 43%
= 858.00

[27] Increase 612 by 94%
= 1187.28

[28] Increase 732 by 102%

[29] Increase 0.314 by 21%

[30] Increase 4.314 by 161%

=   1478.64   =   0.38   =   11.26