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 373.1 by 29%

[2]   Decrease 390.1 by 20%

[3]   Decrease 6066.1 by 35%

[4]   Decrease 550.1 by 10%

[5]   Decrease 613.1 by 26%

[6]   Decrease 638.1 by 63%

[7]   Decrease 159.4 by 24%

[8]   Decrease 1966.4 by 77%

[9]   Decrease 1986.4 by 29%

[10] Decrease 83.55 by 13%

[11] Decrease 442.4 by 10%

[12] Decrease 462.9 by 31%

[13] Decrease 100.8 by 22%

[14] Decrease 105.8 by 155%

[15] Decrease 423.8 by 203%

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

[16] Increase 159.1 by 38%

[17] Increase 179.4 by 63%

[18] Increase 194.5 by 89%

[19] Increase 1.547 by 60%

[20] Increase 18.747 by 226%

[21] Increase 25.047 by 41%

[22] Increase 4.245 by 143%

[23] Increase 125.545 by 79%

[24] Increase 132.645 by 61%

[25] Increase 14.58 by 21%

[26] Increase 142.68 by 105%

[27] Increase 145.98 by 133%

[28] Increase 72.82 by 32%

[29] Increase 190.02 by 119%

[30] Increase 205.22 by 179%

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 373.1 by 29%
      =   264.90

[2] Decrease 390.1 by 20%
      =   312.08

[3] Decrease 6066.1 by 35%
      =   3942.97

[4] Decrease 550.1 by 10%
      =   495.09

[5] Decrease 613.1 by 26%
      =   453.69

[6] Decrease 638.1 by 63%
      =   236.10

[7] Decrease 159.4 by 24%
      =   121.14

[8] Decrease 1966.4 by 77%
      =   452.27

[9] Decrease 1986.4 by 29%
      =   1410.34

[10] Decrease 83.55 by 13%
      =   72.69

[11] Decrease 442.4 by 10%
      =   398.16

[12] Decrease 462.9 by 31%
      =   319.40

[13] Decrease 100.8 by 22%
      =   78.62

[14] Decrease 105.8 by 155%
      =   -58.19

[15] Decrease 423.8 by 203%
      =   -436.51

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

[16] Increase 159.1 by 38%
      =   219.56

[17] Increase 179.4 by 63%
      =   292.42

[18] Increase 194.5 by 89%
      =   367.61

[19] Increase 1.547 by 60%
      =   2.48

[20] Increase 18.747 by 226%
      =   61.12

[21] Increase 25.047 by 41%
      =   35.32

[22] Increase 4.245 by 143%
      =   10.32

[23] Increase 125.545 by 79%
      =   224.73

[24] Increase 132.645 by 61%
      =   213.56

[25] Increase 14.58 by 21%
      =   17.64

[26] Increase 142.68 by 105%
      =   292.49

[27] Increase 145.98 by 133%
      =   340.13

[28] Increase 72.82 by 32%

[29] Increase 190.02 by 119%

[30] Increase 205.22 by 179%

=   96.12   =   416.14   =   572.56