NUMBER: percentage decreases/increases

Date: **Name:**

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

[1]   Decrease 3.24 by 10%

[2]   Decrease 15.44 by 12%

[3]   Decrease 33.74 by 60%

[4]   Decrease 0.23 by 23%

[5]   Decrease 30.53 by 14%

[6]   Decrease 53.73 by 62%

[7]   Decrease 0.197 by 75%

[8]   Decrease 6.397 by 97%

[9]   Decrease 25.697 by 51%

[10] Decrease 14.4 by 73%

[11] Decrease 21.6 by 24%

[12] Decrease 32.7 by 21%

[13] Decrease 0.17 by 14%

[14] Decrease 20.37 by 80%

[15] Decrease 33.47 by 53%

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

[16] Increase 25.2 by 25%

[17] Increase 42.5 by 24%

[18] Increase 54.6 by 68%

[19] Increase 12.7 by 69%

[20] Increase 26 by 125%

[21] Increase 37.3 by 58%

[22] Increase 19 by 101%

[23] Increase 152.2 by 35%

[24] Increase 166.3 by 73%

[25] Increase 7.27 by 16%

[26] Increase 148.47 by 130%

[27] Increase 159.57 by 142%

[28] Increase 112.4 by 46%

[29] Increase 172.6 by 144%

[30] Increase 184.9 by 197%

ANSWERS

NUMBER: percentage decreases/increases

Date: **Name:**

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

[1] Decrease 3.24 by 10%
    =   2.92

[2] Decrease 15.44 by 12%
    =   13.59

[3] Decrease 33.74 by 60%
    =   13.50

[4] Decrease 0.23 by 23%
    =   0.18

[5] Decrease 30.53 by 14%
    =   26.26

[6] Decrease 53.73 by 62%
    =   20.42

[7] Decrease 0.197 by 75%
    =   0.05

[8] Decrease 6.397 by 97%
    =   0.19

[9] Decrease 25.697 by 51%
    =   12.59

[10] Decrease 14.4 by 73%
    =   3.89

[11] Decrease 21.6 by 24%
    =   16.42

[12] Decrease 32.7 by 21%
    =   25.83

[13] Decrease 0.17 by 14%
    =   0.15

[14] Decrease 20.37 by 80%
    =   4.07

[15] Decrease 33.47 by 53%
    =   15.73

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

[16] Increase 25.2 by 25%
    =   31.50

[17] Increase 42.5 by 24%
    =   52.70

[18] Increase 54.6 by 68%
    =   91.73

[19] Increase 12.7 by 69%
    =   21.46

[20] Increase 26 by 125%
    =   58.50

[21] Increase 37.3 by 58%
    =   58.93

[22] Increase 19 by 101%
    =   38.19

[23] Increase 152.2 by 35%
    =   205.47

[24] Increase 166.3 by 73%
    =   287.70

[25] Increase 7.27 by 16%
    =   8.43

[26] Increase 148.47 by 130%
    =   341.48

[27] Increase 159.57 by 142%
    =   386.16

[28] Increase 112.4 by 46%

[29] Increase 172.6 by 144%

[30] Increase 184.9 by 197%

=   164.10   =   421.14   =   549.15