NUMBER: percentage decreases/increases

Date: **Name:**

Whole Numbers

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

[1]   Decrease 113 by 10%   **[2]**   Decrease 127 by 6%   **[3]**   Decrease 132 by 53%

[4]   Decrease 16 by 23%   **[5]**   Decrease 77 by 19%   **[6]**   Decrease 101 by 61%

[7]   Decrease 143 by 72%   **[8]**   Decrease 150 by 94%   **[9]**   Decrease 162 by 41%

[10] Decrease 410 by 31%   **[11]** Decrease 430 by 25%   **[12]** Decrease 443 by 54%

[13] Decrease 12 by 44%   **[14]** Decrease 17 by 171%   **[15]** Decrease 25 by 182%

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

[16] Increase 192 by 26%   **[17]** Increase 212 by 38%   **[18]** Increase 219 by 76%

[19] Increase 361 by 61%   **[20]** Increase 371 by 25%   **[21]** Increase 388 by 46%

[22] Increase 194 by 99%   **[23]** Increase 410 by 8%   **[24]** Increase 420 by 34%

[25] Increase 437 by 10%   **[26]** Increase 595 by 34%   **[27]** Increase 599 by 89%

[28] Increase 470 by 137%   **[29]** Increase 553 by 133%   **[30]** Increase 562 by 215%

ANSWERS

NUMBER: percentage decreases/increases

Date: **Name:**

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

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

[1] Decrease 113 by 10%
=   101.70

[2] Decrease 127 by 6%
=   119.38

[3] Decrease 132 by 53%
=   62.04

[4] Decrease 16 by 23%
=   12.32

[5] Decrease 77 by 19%
=   62.37

[6] Decrease 101 by 61%
=   39.39

[7] Decrease 143 by 72%
=   40.04

[8] Decrease 150 by 94%
=   9.00

[9] Decrease 162 by 41%
=   95.58

[10] Decrease 410 by 31%
=   282.90

[11] Decrease 430 by 25%
=   322.50

[12] Decrease 443 by 54%
=   203.78

[13] Decrease 12 by 44%
=   6.72

[14] Decrease 17 by 171%
=   -12.07

[15] Decrease 25 by 182%
=   -20.50

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

[16] Increase 192 by 26%
=   241.92

[17] Increase 212 by 38%
=   292.56

[18] Increase 219 by 76%
=   385.44

[19] Increase 361 by 61%
=   581.21

[20] Increase 371 by 25%
=   463.75

[21] Increase 388 by 46%
=   566.48

[22] Increase 194 by 99%
=   386.06

[23] Increase 410 by 8%
=   442.80

[24] Increase 420 by 34%
=   562.80

[25] Increase 437 by 10%
=   480.70

[26] Increase 595 by 34%
=   797.30

[27] Increase 599 by 89%
=   1132.11

[28] Increase 470 by 137%

[29] Increase 553 by 133%

[30] Increase 562 by 215%

=   1113.90   =   1288.49   =   1770.30