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 315 by 10%   **[2]** Decrease 321 by 23%   **[3]** Decrease 338 by 25%

[4] Decrease 27.87 by 10%   **[5]** Decrease 88.87 by 13%   **[6]** Decrease 561 by 54%

[7] Decrease 139 by 60%   **[8]** Decrease 158 by 88%   **[9]** Decrease 174 by 80%

[10] Decrease 426 by 27%   **[11]** Decrease 445 by 7%   **[12]** Decrease 492.1 by 15%

[13] Decrease 12 by 23%   **[14]** Decrease 1.333 by 11%   **[15]** Decrease 4967.333 by 174%

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

[16] Increase 243 by 69%   **[17]** Increase 251 by 88%   **[18]** Increase 267 by 60%

[19] Increase 325 by 94%   **[20]** Increase 332 by 45%   **[21]** Increase 343 by 45%

[22] Increase 212 by 58%   **[23]** Increase 0.103 by 16%   **[24]** Increase 11.103 by 38%

[25] Increase 1214 by 17%   **[26]** Increase 1338 by 32%   **[27]** Increase 1340 by 55%

[28] Increase 0.5 by 29%   **[29]** Increase 83 by 127%   **[30]** Increase 916.8 by 26%

ANSWERS
NUMBER: percentage decreases/increases

Date: **Name:**

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

[1] Decrease 315 by 10%
   = 283.50

[2] Decrease 321 by 23%
   = 247.17

[3] Decrease 338 by 25%
   = 253.50

[4] Decrease 27.87 by 10%
   = 25.08

[5] Decrease 88.87 by 13%
   = 77.32

[6] Decrease 561 by 54%
   = 258.06

[7] Decrease 139 by 60%
   = 55.60

[8] Decrease 158 by 88%
   = 18.96

[9] Decrease 174 by 80%
   = 34.80

[10] Decrease 426 by 27%
   = 310.98

[11] Decrease 445 by 7%
   = 413.85

[12] Decrease 492.1 by 15%
   = 418.29

[13] Decrease 12 by 23%
   = 9.24

[14] Decrease 1.333 by 11%
   = 1.19

[15] Decrease 4967.333 by 174%
   = -3675.83

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

[16] Increase 243 by 69%
   = 410.67

[17] Increase 251 by 88%
   = 471.88

[18] Increase 267 by 60%
   = 427.20

[19] Increase 325 by 94%
   = 630.50

[20] Increase 332 by 45%
   = 481.40

[21] Increase 343 by 45%
   = 497.35

[22] Increase 212 by 58%
   = 334.96

[23] Increase 0.103 by 16%
   = 0.12

[24] Increase 11.103 by 38%
   = 15.32

[25] Increase 1214 by 17%
   = 1420.38

[26] Increase 1338 by 32%
   = 1766.16

[27] Increase 1340 by 55%
   = 2077.00

[28] Increase 0.5 by 29%

[29] Increase 83 by 127%

[30] Increase 916.8 by 26%

=   0.65   =   188.41   =   1155.17