

# NUMBER: percentage decreases/increases

Date:

Name:

Whole Numbers

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

[1] Decrease 313 by 15%

[2] Decrease 320 by 24%

[3] Decrease 328 by 49%

[4] Decrease 20 by 19%

[5] Decrease 37 by 24%

[6] Decrease 75 by 60%

[7] Decrease 122 by 80%

[8] Decrease 138 by 76%

[9] Decrease 155 by 29%

[10] Decrease 392 by 89%

[11] Decrease 406 by 19%

[12] Decrease 414 by 34%

[13] Decrease 15 by 46%

[14] Decrease 29 by 173%

[15] Decrease 41 by 261%

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

[16] Increase 69 by 54%

[17] Increase 79 by 15%

[18] Increase 94 by 54%

[19] Increase 457 by 88%

[20] Increase 473 by 61%

[21] Increase 493 by 36%

[22] Increase 346 by 17%

[23] Increase 474 by 80%

[24] Increase 488 by 56%

[25] Increase 943 by 16%

[26] Increase 1126 by 47%

[27] Increase 1141 by 72%

[28] Increase 796 by 105%

[29] Increase 890 by 116%

[30] Increase 893 by 197%

# ANSWERS

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

[1] Decrease 313 by 15%  
= 266.05

[2] Decrease 320 by 24%  
= 243.20

[3] Decrease 328 by 49%  
= 167.28

[4] Decrease 20 by 19%  
= 16.20

[5] Decrease 37 by 24%  
= 28.12

[6] Decrease 75 by 60%  
= 30.00

[7] Decrease 122 by 80%  
= 24.40

[8] Decrease 138 by 76%  
= 33.12

[9] Decrease 155 by 29%  
= 110.05

[10] Decrease 392 by 89%  
= 43.12

[11] Decrease 406 by 19%  
= 328.86

[12] Decrease 414 by 34%  
= 273.24

[13] Decrease 15 by 46%  
= 8.10

[14] Decrease 29 by 173%  
= -21.17

[15] Decrease 41 by 261%  
= -66.01

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

[16] Increase 69 by 54%  
= 106.26

[17] Increase 79 by 15%  
= 90.85

[18] Increase 94 by 54%  
= 144.76

[19] Increase 457 by 88%  
= 859.16

[20] Increase 473 by 61%  
= 761.53

[21] Increase 493 by 36%  
= 670.48

[22] Increase 346 by 17%  
= 404.82

[23] Increase 474 by 80%  
= 853.20

[24] Increase 488 by 56%  
= 761.28

[25] Increase 943 by 16%  
= 1093.88

[26] Increase 1126 by 47%  
= 1655.22

[27] Increase 1141 by 72%  
= 1962.52

[28] Increase 796 by 105%

[29] Increase 890 by 116%

[30] Increase 893 by 197%

= 1631.80

= 1922.40

= 2652.21