

# NUMBER: percentage decreases/increases

Date:

Name:

Decimal Numbers

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

[1] Decrease 3.26 by 17%

[2] Decrease 12.56 by 5%

[3] Decrease 26.66 by 45%

[4] Decrease 0.015 by 30%

[5] Decrease 42.215 by 25%

[6] Decrease 67.415 by 54%

[7] Decrease 16.8 by 65%

[8] Decrease 27.1 by 76%

[9] Decrease 41.2 by 38%

[10] Decrease 0.161 by 79%

[11] Decrease 6.361 by 12%

[12] Decrease 8.461 by 25%

[13] Decrease 1.2 by 76%

[14] Decrease 20.4 by 77%

[15] Decrease 35.5 by 54%

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

[16] Increase 30.5 by 12%

[17] Increase 45.8 by 8%

[18] Increase 49 by 57%

[19] Increase 13.7 by 64%

[20] Increase 33 by 18%

[21] Increase 50.2 by 35%

[22] Increase 44.6 by 152%

[23] Increase 153.8 by 16%

[24] Increase 158 by 97%

[25] Increase 7.22 by 18%

[26] Increase 142.52 by 88%

[27] Increase 147.82 by 137%

[28] Increase 57.7 by 56%

[29] Increase 159.9 by 130%

[30] Increase 171.1 by 145%

# ANSWERS

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

[1] Decrease 3.26 by 17%  
= 2.71

[2] Decrease 12.56 by 5%  
= 11.93

[3] Decrease 26.66 by 45%  
= 14.66

[4] Decrease 0.015 by 30%  
= 0.01

[5] Decrease 42.215 by 25%  
= 31.66

[6] Decrease 67.415 by 54%  
= 31.01

[7] Decrease 16.8 by 65%  
= 5.88

[8] Decrease 27.1 by 76%  
= 6.50

[9] Decrease 41.2 by 38%  
= 25.54

[10] Decrease 0.161 by 79%  
= 0.03

[11] Decrease 6.361 by 12%  
= 5.60

[12] Decrease 8.461 by 25%  
= 6.35

[13] Decrease 1.2 by 76%  
= 0.29

[14] Decrease 20.4 by 77%  
= 4.69

[15] Decrease 35.5 by 54%  
= 16.33

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

[16] Increase 30.5 by 12%  
= 34.16

[17] Increase 45.8 by 8%  
= 49.46

[18] Increase 49 by 57%  
= 76.93

[19] Increase 13.7 by 64%  
= 22.47

[20] Increase 33 by 18%  
= 38.94

[21] Increase 50.2 by 35%  
= 67.77

[22] Increase 44.6 by 152%  
= 112.39

[23] Increase 153.8 by 16%  
= 178.41

[24] Increase 158 by 97%  
= 311.26

[25] Increase 7.22 by 18%  
= 8.52

[26] Increase 142.52 by 88%  
= 267.94

[27] Increase 147.82 by 137%  
= 350.33

[28] Increase 57.7 by 56%  
= 89.81

[29] Increase 159.9 by 130%  
= 363.77

[30] Increase 171.1 by 145%  
= 406.58

= 90.01

= 367.77

= 419.20