

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 2.19 by 30%

[2] Decrease 22.39 by 7%

[3] Decrease 42.69 by 47%

[4] Decrease 2.7 by 17%

[5] Decrease 58 by 22%

[6] Decrease 84.2 by 65%

[7] Decrease 0.171 by 81%

[8] Decrease 18.371 by 78%

[9] Decrease 35.571 by 98%

[10] Decrease 0.245 by 68%

[11] Decrease 19.545 by 7%

[12] Decrease 32.745 by 60%

[13] Decrease 0.017 by 60%

[14] Decrease 20.117 by 67%

[15] Decrease 39.417 by 48%

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

[16] Increase 32.4 by 35%

[17] Increase 38.6 by 51%

[18] Increase 41.7 by 41%

[19] Increase 33.7 by 127%

[20] Increase 43.9 by 18%

[21] Increase 60 by 32%

[22] Increase 31.5 by 103%

[23] Increase 300.6 by 24%

[24] Increase 309.9 by 137%

[25] Increase 11.69 by 16%

[26] Increase 134.89 by 125%

[27] Increase 143.19 by 144%

[28] Increase 143.1 by 32%

[29] Increase 209.4 by 120%

[30] Increase 228.6 by 131%

ANSWERS

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

[1] Decrease 2.19 by 30%
= 1.53

[2] Decrease 22.39 by 7%
= 20.82

[3] Decrease 42.69 by 47%
= 22.63

[4] Decrease 2.7 by 17%
= 2.24

[5] Decrease 58 by 22%
= 45.24

[6] Decrease 84.2 by 65%
= 29.47

[7] Decrease 0.171 by 81%
= 0.03

[8] Decrease 18.371 by 78%
= 4.04

[9] Decrease 35.571 by 98%
= 0.71

[10] Decrease 0.245 by 68%
= 0.08

[11] Decrease 19.545 by 7%
= 18.18

[12] Decrease 32.745 by 60%
= 13.10

[13] Decrease 0.017 by 60%
= 0.01

[14] Decrease 20.117 by 67%
= 6.64

[15] Decrease 39.417 by 48%
= 20.50

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

[16] Increase 32.4 by 35%
= 43.74

[17] Increase 38.6 by 51%
= 58.29

[18] Increase 41.7 by 41%
= 58.80

[19] Increase 33.7 by 127%
= 76.50

[20] Increase 43.9 by 18%
= 51.80

[21] Increase 60 by 32%
= 79.20

[22] Increase 31.5 by 103%
= 63.95

[23] Increase 300.6 by 24%
= 372.74

[24] Increase 309.9 by 137%
= 734.46

[25] Increase 11.69 by 16%
= 13.56

[26] Increase 134.89 by 125%
= 303.50

[27] Increase 143.19 by 144%
= 349.38

[28] Increase 143.1 by 32%

[29] Increase 209.4 by 120%

[30] Increase 228.6 by 131%

= 188.89

= 460.68

= 528.07