

NUMBER: percentage decreases/increases

Date: _____ Name: _____

Whole Numbers and Decimal Numbers

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

[1] Decrease 66.19 by 29%

[2] Decrease 13 by 24%

[3] Decrease 243 by 38%

[4] Decrease 27 by 17%

[5] Decrease 84.1 by 13%

[6] Decrease 116.1 by 57%

[7] Decrease 193 by 65%

[8] Decrease 212 by 99%

[9] Decrease 228 by 74%

[10] Decrease 583.1 by 16%

[11] Decrease 597.1 by 14%

[12] Decrease 607.1 by 59%

[13] Decrease 18 by 41%

[14] Decrease 26 by 158%

[15] Decrease 35 by 211%

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

[16] Increase 81 by 34%

[17] Increase 96 by 31%

[18] Increase 102 by 80%

[19] Increase 93 by 51%

[20] Increase 98 by 69%

[21] Increase 116 by 20%

[22] Increase 0.358 by 30%

[23] Increase 295.358 by 68%

[24] Increase 312.358 by 36%

[25] Increase 1209 by 25%

[26] Increase 1379 by 49%

[27] Increase 1388 by 71%

[28] Increase 598 by 108%

[29] Increase 0.35 by 21%

[30] Increase 4.35 by 179%

ANSWERS

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

[1] Decrease 66.19 by 29%
= 46.99

[2] Decrease 13 by 24%
= 9.88

[3] Decrease 243 by 38%
= 150.66

[4] Decrease 27 by 17%
= 22.41

[5] Decrease 84.1 by 13%
= 73.17

[6] Decrease 116.1 by 57%
= 49.92

[7] Decrease 193 by 65%
= 67.55

[8] Decrease 212 by 99%
= 2.12

[9] Decrease 228 by 74%
= 59.28

[10] Decrease 583.1 by 16%
= 489.80

[11] Decrease 597.1 by 14%
= 513.51

[12] Decrease 607.1 by 59%
= 248.91

[13] Decrease 18 by 41%
= 10.62

[14] Decrease 26 by 158%
= -15.08

[15] Decrease 35 by 211%
= -38.85

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

[16] Increase 81 by 34%
= 108.54

[17] Increase 96 by 31%
= 125.76

[18] Increase 102 by 80%
= 183.60

[19] Increase 93 by 51%
= 140.43

[20] Increase 98 by 69%
= 165.62

[21] Increase 116 by 20%
= 139.20

[22] Increase 0.358 by 30%
= 0.47

[23] Increase 295.358 by 68%
= 496.20

[24] Increase 312.358 by 36%
= 424.81

[25] Increase 1209 by 25%
= 1511.25

[26] Increase 1379 by 49%
= 2054.71

[27] Increase 1388 by 71%
= 2373.48

[28] Increase 598 by 108%

[29] Increase 0.35 by 21%

[30] Increase 4.35 by 179%

= 1243.84

= 0.42

= 12.14