

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 244 by 18%

[2] Decrease 254 by 27%

[3] Decrease 258 by 59%

[4] Decrease 20 by 20%

[5] Decrease 55 by 7%

[6] Decrease 77 by 50%

[7] Decrease 110 by 87%

[8] Decrease 123 by 94%

[9] Decrease 142 by 97%

[10] Decrease 521 by 90%

[11] Decrease 541 by 19%

[12] Decrease 548 by 35%

[13] Decrease 12 by 90%

[14] Decrease 28 by 168%

[15] Decrease 36 by 219%

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

[16] Increase 491 by 38%

[17] Increase 500 by 60%

[18] Increase 513 by 55%

[19] Increase 487 by 67%

[20] Increase 493 by 37%

[21] Increase 506 by 27%

[22] Increase 444 by 59%

[23] Increase 572 by 35%

[24] Increase 575 by 30%

[25] Increase 517 by 22%

[26] Increase 710 by 30%

[27] Increase 721 by 68%

[28] Increase 561 by 132%

[29] Increase 675 by 117%

[30] Increase 683 by 252%

ANSWERS

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

[1] Decrease 244 by 18%
= 200.08

[2] Decrease 254 by 27%
= 185.42

[3] Decrease 258 by 59%
= 105.78

[4] Decrease 20 by 20%
= 16.00

[5] Decrease 55 by 7%
= 51.15

[6] Decrease 77 by 50%
= 38.50

[7] Decrease 110 by 87%
= 14.30

[8] Decrease 123 by 94%
= 7.38

[9] Decrease 142 by 97%
= 4.26

[10] Decrease 521 by 90%
= 52.10

[11] Decrease 541 by 19%
= 438.21

[12] Decrease 548 by 35%
= 356.20

[13] Decrease 12 by 90%
= 1.20

[14] Decrease 28 by 168%
= -19.04

[15] Decrease 36 by 219%
= -42.84

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

[16] Increase 491 by 38%
= 677.58

[17] Increase 500 by 60%
= 800.00

[18] Increase 513 by 55%
= 795.15

[19] Increase 487 by 67%
= 813.29

[20] Increase 493 by 37%
= 675.41

[21] Increase 506 by 27%
= 642.62

[22] Increase 444 by 59%
= 705.96

[23] Increase 572 by 35%
= 772.20

[24] Increase 575 by 30%
= 747.50

[25] Increase 517 by 22%
= 630.74

[26] Increase 710 by 30%
= 923.00

[27] Increase 721 by 68%
= 1211.28

[28] Increase 561 by 132%

[29] Increase 675 by 117%

[30] Increase 683 by 252%

= 1301.52

= 1464.75

= 2404.16