

# 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 65.3 by 16%

[2] Decrease 20 by 24%

[3] Decrease 411 by 46%

[4] Decrease 15 by 26%

[5] Decrease 916.2 by 16%

[6] Decrease 937.2 by 63%

[7] Decrease 159 by 81%

[8] Decrease 176 by 78%

[9] Decrease 190 by 79%

[10] Decrease 6.472 by 22%

[11] Decrease 13.472 by 27%

[12] Decrease 25.472 by 52%

[13] Decrease 12 by 81%

[14] Decrease 18 by 171%

[15] Decrease 38 by 159%

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

[16] Increase 414 by 22%

[17] Increase 420 by 67%

[18] Increase 437 by 90%

[19] Increase 468 by 61%

[20] Increase 480 by 22%

[21] Increase 499 by 28%

[22] Increase 31.5 by 21%

[23] Increase 99.5 by 26%

[24] Increase 116.5 by 48%

[25] Increase 731 by 14%

[26] Increase 935 by 56%

[27] Increase 951 by 56%

[28] Increase 170 by 123%

[29] Increase 0.226 by 11%

[30] Increase 7.226 by 215%

# ANSWERS

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

[1] Decrease 65.3 by 16%  
= 54.85

[2] Decrease 20 by 24%  
= 15.20

[3] Decrease 411 by 46%  
= 221.94

[4] Decrease 15 by 26%  
= 11.10

[5] Decrease 916.2 by 16%  
= 769.61

[6] Decrease 937.2 by 63%  
= 346.76

[7] Decrease 159 by 81%  
= 30.21

[8] Decrease 176 by 78%  
= 38.72

[9] Decrease 190 by 79%  
= 39.90

[10] Decrease 6.472 by 22%  
= 5.05

[11] Decrease 13.472 by 27%  
= 9.83

[12] Decrease 25.472 by 52%  
= 12.23

[13] Decrease 12 by 81%  
= 2.28

[14] Decrease 18 by 171%  
= -12.78

[15] Decrease 38 by 159%  
= -22.42

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

[16] Increase 414 by 22%  
= 505.08

[17] Increase 420 by 67%  
= 701.40

[18] Increase 437 by 90%  
= 830.30

[19] Increase 468 by 61%  
= 753.48

[20] Increase 480 by 22%  
= 585.60

[21] Increase 499 by 28%  
= 638.72

[22] Increase 31.5 by 21%  
= 38.12

[23] Increase 99.5 by 26%  
= 125.37

[24] Increase 116.5 by 48%  
= 172.42

[25] Increase 731 by 14%  
= 833.34

[26] Increase 935 by 56%  
= 1458.60

[27] Increase 951 by 56%  
= 1483.56

[28] Increase 170 by 123%  
= 380.10

[29] Increase 0.226 by 11%  
= 0.251

[30] Increase 7.226 by 215%  
= 20.076

= 379.10

= 0.25

= 22.76