

# Compute the result of a percent increase or decrease

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| NAME | DATE | SCORE / 10 |
|------|------|------------|

- 1** A plant was 40 cm tall. Then the plant's height grew by 15%. How tall is the plant now, in centimetres?

- 2** A jacket cost \$250. Then the price went up 40%. Ivy says the new price is \$290, because  $250 + 40 = 290$ . What is the new price of the jacket, in dollars?

- 3** A club had 32 members. The number of members fell by 50%. How many members does the club have now?

- 4** A plant was 45 cm tall. Then the plant's height grew by 20%. Emma says the plant is now 65 cm tall, because  $45 + 20 = 65$ . How tall is the plant now, in centimetres?

- 5** A tank held 330 litres of water. The amount of water in the tank went down by 20%. How many litres of water are in the tank now?

- 6** A jacket cost \$190. Then the price went down 10%. Ben says the new price is \$180, because  $190 - 10 = 180$ . What is the new price of the jacket, in dollars?

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- 7** A town had 5,850 people. The number of people grew by 8%. How many people are in the town now?

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- 9** A bike cost \$110. Then the price went up 8%. What is the new price of the bike, in dollars?

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- 8** A jacket cost \$225. Then the price went up 12%. Ana says the new price is \$237, because  $225 + 12 = 237$ . What is the new price of the jacket, in dollars?

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- 10** A jacket cost \$96. Then the price went down 25%. Ivy says the new price is \$71, because  $96 - 25 = 71$ . What is the new price of the jacket, in dollars?

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**1** 46

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**3** 16

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**5** 264

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**7** 6318

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**9** 118.80

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**2** 350

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**4** 54

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**6** 171

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**8** 252

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**10** 72