

Find the original amount before a percent change

NAME	DATE	SCORE / 10
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- 1** The number of people in a town grew by 25% to 5,440. How many people were in the town before it grew?

- 2** After a 25% discount, a lamp costs \$120. Maya says the price before the discount was \$150, because 25% of \$120 is \$30. What was the price before the discount, in dollars?

- 3** Ivy's plant grew 15% taller and is now 69 cm tall. How tall was the plant before, in centimetres?

- 4** After a 20% discount, a backpack costs \$108. Ivy says the price before the discount was \$129.60, because 20% of \$108 is \$21.60. What was the price before the discount, in dollars?

- 5** Emma's plant grew 40% taller and is now 35 cm tall. How tall was the plant before, in centimetres?

- 6** After a 40% discount, a lamp costs \$108. Ana says the price before the discount was \$151.20, because 40% of \$108 is \$43.20. What was the price before the discount, in dollars?

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- 7** Maya's plant grew 20% taller and is now 66 cm tall. How tall was the plant before, in centimetres?

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- 8** After a 50% discount, a game costs \$85. Emma says the price before the discount was \$127.50, because 50% of \$85 is \$42.50. What was the price before the discount, in dollars?

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- 9** A tank lost 50% of its water and now holds 169 litres. How many litres of water did the tank hold before?

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- 10** After a 20% discount, a jacket costs \$96. Maya says the price before the discount was \$115.20, because 20% of \$96 is \$19.20. What was the price before the discount, in dollars?

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1 4352

3 60

5 25

7 55

9 338

2 160

4 135

6 180

8 170

10 120