

Find the original amount before a percent change

NAME	DATE	SCORE / 10
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1 A tank lost 10% of its water and now holds 198 litres. How many litres of water did the tank hold before?

2 After a 10% discount, a lamp costs \$27. Ben says the price before the discount was \$29.70, because 10% of \$27 is \$2.70. What was the price before the discount, in dollars?

3 Cleo's plant grew 10% taller and is now 22 cm tall. How tall was the plant before, in centimetres?

4 After a 10% discount, a jacket costs \$126. Ana says the price before the discount was \$138.60, because 10% of \$126 is \$12.60. What was the price before the discount, in dollars?

5 After a 30% discount, a jacket costs \$87.50. What was the price of the jacket before the discount, in dollars?

6 After a 50% discount, a lamp costs \$27.50. Ana says the price before the discount was \$41.25, because 50% of \$27.50 is \$13.75. What was the price before the discount, in dollars?

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- 7** The number of people in a town grew by 25% to 8,880. How many people were in the town before it grew?

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- 8** After a 20% discount, a game costs \$40. Maya says the price before the discount was \$48, because 20% of \$40 is \$8. What was the price before the discount, in dollars?

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- 9** Dev's plant grew 20% taller and is now 48 cm tall. How tall was the plant before, in centimetres?

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- 10** After a 25% discount, a backpack costs \$105. Ana says the price before the discount was \$131.25, because 25% of \$105 is \$26.25. What was the price before the discount, in dollars?

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1 220

3 20

5 125

7 7104

9 40

2 30

4 140

6 55

8 50

10 140