

Find the original amount before a percent change

NAME	DATE	SCORE / 10
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1 A tank lost 40% of its water and now holds 72 litres. How many litres of water did the tank hold before?

2 After a 20% discount, a game costs \$112. Maya says the price before the discount was \$134.40, because 20% of \$112 is \$22.40. What was the price before the discount, in dollars?

3 The number of people in a town grew by 40% to 2,044. How many people were in the town before it grew?

4 After a 50% discount, a game costs \$10. Noah says the price before the discount was \$15, because 50% of \$10 is \$5. What was the price before the discount, in dollars?

5 Emma's plant grew 40% taller and is now 84 cm tall. How tall was the plant before, in centimetres?

6 After a 50% discount, a lamp costs \$62.50. Ben says the price before the discount was \$93.75, because 50% of \$62.50 is \$31.25. What was the price before the discount, in dollars?

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- 7** Cleo's plant grew 40% taller and is now 56 cm tall. How tall was the plant before, in centimetres?

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- 9** After a 30% discount, a jacket costs \$65.80. What was the price of the jacket before the discount, in dollars?

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- 8** After a 10% discount, a backpack costs \$171. Leo says the price before the discount was \$188.10, because 10% of \$171 is \$17.10. What was the price before the discount, in dollars?

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- 10** After a 40% discount, a lamp costs \$60. Emma says the price before the discount was \$84, because 40% of \$60 is \$24. What was the price before the discount, in dollars?

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1 120

3 1460

5 60

7 40

9 94

2 140

4 20

6 125

8 190

10 100