

# Solve discount, markup, tax, tip and commission problems

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

- 1** A game costs \$14. The sales tax is 8%. How much is the sales tax, in dollars?

- 2** A game costs \$82. The sales tax is 5%. Dev says the total cost is \$87, because  $\$82 + \$5 = \$87$ . What is the total cost with tax, in dollars?

- 3** A jacket costs \$60. Ben worked out its cost with 10% off, then 10% tax added, in the steps below. Which step is the first one that is wrong?

**Step 1:** 10% of \$60 is \$6.

**Step 2:** The sale price is  $\$60 + \$6 = \$66$ .

**Step 3:** 10% of \$66 is \$6.60.

**Step 4:** The cost is  $\$66 + \$6.60 = \$72.60$ .

☐ Step 1   ☐ Step 2   ☐ Step 3   ☐ Step 4

- 4** A salesperson sells a car for \$10,500 and earns a 2% commission. How much is the commission, in dollars?

- 5** The bill for a meal is \$67. Emma's family leaves a 15% tip. Ben says the total paid is \$82, because  $\$67 + \$15 = \$82$ . What is the total paid, with the tip, in dollars?

**6**

A jacket costs \$180. Leo worked out its cost with 20% off, then 10% tax added, in the steps below. Which step is the first one that is wrong?

**Step 1:** 20% of \$180 is \$36.

**Step 2:** The sale price is  $\$180 + \$36 = \$216$ .

**Step 3:** 10% of \$216 is \$21.60.

**Step 4:** The cost is  $\$216 + \$21.60 = \$237.60$ .

☐ Step 1   ☐ Step 2   ☐ Step 3   ☐ Step 4

**7**

A backpack costs \$21. The sales tax is 7%. What is the total cost with tax, in dollars?

**8**

A lamp costs \$69. The sales tax is 7%. Dev says the total cost is \$76, because  $\$69 + \$7 = \$76$ . What is the total cost with tax, in dollars?

**9**

A game costs \$40. The sales tax is 6%. What is the total cost with tax, in dollars?

**10**

A lamp costs \$56. The sales tax is 6%. What is the total cost with tax, in dollars?

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**1** 1.12

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**3** Step 2

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**5** 77.05

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**7** 22.47

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**9** 42.40

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**2** 86.10

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**4** 210

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**6** Step 2

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**8** 73.83

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**10** 59.36