MATHEMATICS · GRADES 4-6

Discount and tax calculations

Difficulty level: Intermediate

Mathematics: Grades 4-6

This document was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

Overview of the concept

This is how you work out what you actually pay at the checkout. The sale price comes first, then the tax is added on top of that price, not on the original. Getting the order right matters, because tax on the full price would cost you more than tax on the sale price. Knowing this tells you the real total before you reach the till, so there are no surprises.



© 2026 Brett Robbins. All Rights Reserved.

Worked examples

EXAMPLE 1

Q A $40 shirt is 25% off. What is the sale price?

SOLUTION

This is a discount question, so work out the discount first, then take it off the price.

25% of $40 is a quarter of $40, which is $10

$40 – $10 = $30, so the sale price is $30

EXAMPLE 2

Q A $50 item has 10% tax. What is the total you pay?

SOLUTION

This is a tax question, so work out the tax, then add it on.

10% of $50 is $5

$50 + $5 = $55, so the total is $55

Practice questions

1 **An $80 item is 50% off. What is the sale price?**

Understand It with Pulse | Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

2 **A $20 item has 5% tax. What is the total you pay?**

Understand It with Pulse | Flag a mistake

3 **A $60 item is 10% off. How much do you save?**

Understand It with Pulse | Flag a mistake

4 **A $100 item has 15% tax. How much tax do you pay?**

Understand It with Pulse | Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

5 A $120 item is 20% off, then 10% tax is added to the sale price. What is the total you pay?

Understand It with Pulse | Flag a mistake

6 A $25 item is 20% off. What is the sale price?

Understand It with Pulse | Flag a mistake

7 A $30 item is on sale for $24. What percent off is that?

Understand It with Pulse | Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

8 A $45 item has 20% tax. What is the total you pay?

Understand It with Pulse | Flag a mistake

9 A $200 item is 30% off. What is the sale price?

Understand It with Pulse | Flag a mistake

10 A $90 item is 10% off, then 5% tax is added to the sale price. What is the total you pay?

Understand It with Pulse | Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

ANSWER KEY

1. $40

2. $21

3. $6

4. $15

5. $105.60

6. $20

7. 20%

8. $54

9. $140

10. $85.05

© 2026 Brett Robbins. All Rights Reserved.