

Boost Free Lessons - Year 6 Maths

Lesson 14: Discounts and Sale Prices

Name: _____ Grade: _____ Date: _____

Worked Example 1

A \$80 jacket is reduced by 25%. Find the sale price.

1. First find the **discount**, which is how much comes off.
2. 25% of $80 = 80 \div 4 = 20$, so the discount is \$20.
3. The sale price is the original price minus the discount.
4. $80 - 20 = 60$. Do not stop at the discount, because the question asks for the price.

The sale price is \$60

Worked Example 2

A \$50 pair of shoes is reduced by 30%. Find the sale price in one step.

1. If 30% comes off, then 70% is left, because $100 - 30 = 70$.
2. So you can find 70% of the original price directly.
3. 10% of $50 = 5$, so $70\% = 5 \times 7 = 35$.
4. This is quicker than finding the discount and subtracting it.

The sale price is \$35

Remember: Find the **discount** first, then subtract it. Or find the percentage that is **left** and calculate that directly. Read carefully: some questions want the discount, others want the price.



Question 1: Answer the following.

1. 10% off \$40. Find the discount.

2. 25% off \$60. Find the discount.

3. 50% off \$18. Find the discount.

4. 20% off \$35. Find the discount.

5. 10% off \$40. Find the sale price.

6. 25% off \$60. Find the sale price.

7. 50% off \$18. Find the sale price.

8. 20% off \$35. Find the sale price.



Question 2: Answer the following.

1. A \$120 bike is reduced by 15%. Find the sale price.

2. A \$250 phone is reduced by 40%. Find the sale price.

3. A \$90 jacket is reduced by 30%. Find the sale price in one step.

4. A \$24 book has 10% GST added. Find the total.

5. Which is the better deal on a \$100 item: 25% off, or \$30 off?

6. A price falls from \$80 to \$60. What percentage was taken off?



Question 3: Answer the following questions.

1. A \$45 shirt is reduced by 20%. Find the discount and the sale price.
2. A \$200 chair is reduced by 25%, then a further \$10 is taken off. Find the final price.
3. A shop offers 50% off, then 10% off the reduced price. What is the final price of a \$80 item?
4. Is 50% off then 10% off the same as 60% off? Explain using \$80.
5. A \$60 item is reduced by 30%. Explain two different ways to find the sale price.





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Answers: Discounts and Sale Prices**Question 1**

1. \$4
2. \$15
3. \$9
4. \$7
5. \$36
6. \$45
7. \$9
8. \$28

Question 2

1. \$102
2. \$150
3. \$63
4. \$26.40
5. \$30 off, since 25% off is only \$25
6. 25%

Question 3

1. Discount \$9, sale price \$36
2. \$140
3. \$36
4. No. 50% off \$80 gives \$40, then 10% off gives \$36. 60% off \$80 gives \$32. The second discount is taken off the smaller amount.
5. Find 30% of 60 = 18 and subtract, giving \$42. Or find 70% of 60 directly, which is also \$42.

