

GRADE 6

PROFIT, LOSS & DISCOUNT

Complete Worksheet Pack

What this pack covers

Cost price • Selling price • Profit & loss • Profit/loss percentages • Marked price •
Discounts • Sale price • Multi-step real-life problems • Reasoning challenges

6 practice worksheets + 6 separate answer-key pages

Worksheet 1: Cost Price, Selling Price, Profit & Loss

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. An item costs \$80 and is sold for \$95. Find the profit.
2. An item costs \$150 and is sold for \$120. Find the loss.
3. A bicycle costs \$240 and is sold for \$275. Find the profit.
4. A lamp costs \$75 and is sold for \$68. Find the loss.
5. A shop buys 12 notebooks for \$96 and sells them for \$120 in total. Find the total profit.
6. A toy is bought for \$45 and sold for \$54. Is this a profit or loss, and by how much?
7. An item is sold for \$210 at a loss of \$35. Find its cost price.
8. An item costs \$175 and the seller makes a profit of \$25. Find the selling price.

Answer Key 1

Worksheet 1: Cost Price, Selling Price, Profit & Loss — Answers

1. \$15 profit
2. \$30 loss
3. \$35 profit
4. \$7 loss
5. \$24 profit
6. \$9 profit
7. \$245
8. \$200

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.

Worksheet 2: Profit & Loss Percentages

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. Find the profit percentage when $CP = \$100$ and $SP = \$125$.
2. Find the loss percentage when $CP = \$200$ and $SP = \$170$.
3. An item costs \$80 and is sold for \$100. Find the profit percentage.
4. An item costs \$250 and is sold for \$225. Find the loss percentage.
5. A shop buys an item for \$400 and sells it for \$460. Find the profit percentage.
6. A jacket costs \$600 and is sold for \$510. Find the loss percentage.
7. An item is bought for \$150 and sold for \$180. Find the profit and profit percentage.
8. An item is bought for \$500 and sold for \$425. Find the loss and loss percentage.

Answer Key 2

Worksheet 2: Profit & Loss Percentages — Answers

1. 25%
2. 15%
3. 25%
4. 10%
5. 15%
6. 15%
7. \$30 profit; 20%
8. \$75 loss; 15%

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.

Worksheet 3: Discounts & Sale Prices

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. A \$200 shirt has a 10% discount. Find the discount and sale price.
2. A \$500 jacket has a 20% discount. Find the sale price.
3. A \$750 bicycle is discounted by 15%. Find the discount amount.
4. A \$1,200 laptop is discounted by 25%. Find the sale price.
5. A toy marked \$80 is sold for \$68. Find the discount percentage.
6. A bag marked \$250 is sold for \$200. Find the discount percentage.
7. A \$360 item is sold after a 12.5% discount. Find the sale price.
8. A store gives 30% off an item marked \$450. Find the amount paid.

Answer Key 3

Worksheet 3: Discounts & Sale Prices — Answers

1. \$20 discount; \$180
2. \$400
3. \$112.50
4. \$900
5. 15%
6. 20%
7. \$315
8. \$315

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.

Worksheet 4: Marked Price, Discount & Final Price

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. A shop marks an item at \$300 and gives 15% off. Find the final price.
2. A \$640 item is reduced by 25%. Find the discount and final price.
3. A watch is marked \$800 and sold for \$680. Find the discount percentage.
4. A bag is marked \$240. It is sold at 10% off, then a \$12 delivery fee is added. Find the final amount paid.
5. A jacket marked \$500 is discounted by 20%, then a further \$30 is taken off. Find the final price.
6. A \$900 item is reduced by 10%, then by another 10% of the reduced price. Find the final price.
7. A shop sells an item for \$360 after giving 20% off. Find its marked price.
8. A marked price of \$600 is reduced to \$510. Find the discount percentage.

Answer Key 4

Worksheet 4: Marked Price, Discount & Final Price — Answers

1. \$255
2. \$160 discount; \$480
3. 15%
4. \$228
5. \$370
6. \$729
7. \$450
8. 15%

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.

Worksheet 5: Profit, Loss & Discount in Real Life

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. A shop buys a chair for \$180 and sells it for \$225. Find the profit and profit percentage.
2. A retailer buys a phone for \$600, marks it at \$750, and gives 20% off. Find the selling price and profit percentage.
3. A bicycle has a marked price of \$800. It is sold at 15% off. If its cost price was \$600, find the profit and profit percentage.
4. A shop buys 20 mugs for \$300 total and sells each for \$18. Find the total profit.
5. A dress costs a store \$240. It is marked 25% above cost and then sold at 10% off the marked price. Find the selling price and profit.
6. A calculator is marked \$80 and sold for \$68. If its cost price is \$60, find the profit and profit percentage.
7. A shop buys an item for \$450 and wants a 20% profit after giving a 10% discount on the marked price. What marked price should be used?
8. A \$1,000 item is sold at 15% discount. If the cost price is \$700, find the profit percentage.

Answer Key 5

Worksheet 5: Profit, Loss & Discount in Real Life — Answers

1. \$45 profit; 25%
2. SP \$600; no profit/loss; 0%
3. SP \$680; \$80 profit; 13■%
4. SP \$360; \$60 profit
5. Marked \$300; SP \$270; profit \$30
6. \$8 profit; 13■%
7. \$600
8. SP \$850; \$150 profit; 21■% (approximately 21.43%)

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.

Worksheet 6: Profit, Loss & Discount Reasoning Challenge

Show your working. Use the correct base when finding a percentage: profit/loss percentages use cost price; discount percentage uses marked price.

1. An item is sold for \$144 at a 20% profit. Find its cost price.
2. An item is sold for \$204 after a 15% discount on its marked price. Find the marked price.
3. A shop buys an item for \$320. It wants a 25% profit after offering a 20% discount on the marked price. Find the marked price.
4. An item costs \$500. It is marked up by 30% and then discounted by 10%. Find the final selling price and profit percentage.
5. A seller buys an item for \$240 and sells it for \$300. What percentage discount could be offered on a marked price of \$375 while still making the same profit?
6. Two items each have a cost price of \$200. One is sold at 20% profit and the other at 20% loss. Find the combined profit or loss.
7. A shop gives successive discounts of 10% and 20%. What single discount is equivalent to these two discounts?
8. An item is sold for \$540 after a 10% discount, and the seller makes a 20% profit. Find the cost price and marked price.

Answer Key 6

Worksheet 6: Profit, Loss & Discount Reasoning Challenge — Answers

1. \$120
2. \$240
3. \$500
4. SP \$585; profit \$85; 17%
5. \$375 marked to \$300 = 20% discount
6. No profit/loss; total CP \$400 and total SP \$400
7. 28%
8. CP \$450; MP \$600

Teacher note: Accept equivalent forms and correctly rounded percentage answers where appropriate.