

GRADE 7 MATHEMATICS

Profit, Loss, Discount & Tax

Complete Printable Worksheet Pack

Includes	6 Practice Worksheets + 6 Answer Keys
Skills	Profit & Loss • Percentages • Discounts • Marked Price • Tax • Multi-Step Applications
Level	Grade 7 / International Curriculum Friendly
Format	A4 • Print Ready

Worksheet 1 — Profit, Loss & Percentage

Name: _____ Date: _____

1. An item costs \$80 and is sold for \$100. Find the profit and profit percentage.
2. An item costs \$250 and is sold for \$200. Find the loss and loss percentage.
3. A bicycle is bought for \$360 and sold for \$414. Find the profit percentage.
4. A bag bought for \$150 is sold at a loss of \$18. Find the selling price and loss percentage.
5. A shop buys a jacket for \$480 and sells it for \$600. Find the profit percentage.
6. An item is sold for \$540 at a loss of 10%. Find its cost price.
7. An item is sold for \$690 at a profit of 15%. Find its cost price.
8. A trader buys 25 notebooks at \$4 each and sells each for \$5.20. Find the total profit and profit percentage.
9. A machine costs \$2,400 and is sold for \$2,160. Find the loss percentage.
10. A seller makes a 20% profit by selling an item for \$96. Find the cost price.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 1

Check your calculations and percentage method.

1. Profit \$20; 25%
2. Loss \$50; 20%
3. \$54 profit; 15%
4. Selling price \$132; 12% loss
5. 25% profit
6. \$600
7. \$600
8. Total profit \$30; 30%
9. 10% loss
10. \$80

Worksheet 2 — Discounts & Marked Prices

Name: _____ Date: _____

1. A \$120 jacket is discounted by 15%. Find the discount and sale price.
2. A \$250 bicycle is discounted by 20%. Find the sale price.
3. A shirt marked at \$80 is sold for \$68. Find the discount percentage.
4. A laptop marked at \$900 is discounted by 12%. Find the sale price.
5. An item has a marked price of \$500 and is sold at a 18% discount. Find the discount amount.
6. A toy is sold for \$63 after a 30% discount. Find its marked price.
7. A dress is marked at \$240. It is discounted by 25%, then an additional 10% discount is applied to the reduced price. Find the final price.
8. A store advertises 35% off an item marked \$160. Find the sale price.
9. A customer pays \$153 for an item after a 15% discount. Find the marked price.
10. Which gives the lower final price: 20% off \$300 or \$50 off \$300? Find the difference.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 2

Check your calculations and percentage method.

1. \$18; \$102
2. \$200
3. 15%
4. \$792
5. \$90
6. \$90
7. \$162
8. \$104
9. \$180
10. 20% off gives \$240; difference \$10

Worksheet 3 — Tax & Final Prices

Name: _____ Date: _____

1. A \$200 item has 8% sales tax. Find the tax and final price.
2. A phone costs \$650 before 10% tax. Find the final price.
3. A meal costs \$80 and tax is 12%. Find the final bill.
4. An item costs \$360 including 20% tax. Find the price before tax.
5. A bicycle costs \$480 before 7.5% tax. Find the tax and final price.
6. A \$150 item is discounted by 20%, then 10% tax is added. Find the final price.
7. A laptop marked \$1,200 is discounted by 15%, then taxed at 8%. Find the final price.
8. A bill is \$276 including 15% tax. Find the pre-tax amount.
9. A restaurant bill is \$240 before tax. A 10% service charge is added, then 8% tax is charged on the total. Find the final bill.
10. A product costs \$500 before tax. It is discounted by 12% and then taxed at 10%. Find the final price and compare it with the original price.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 3

Check your calculations and percentage method.

1. Tax \$16; \$216
2. \$715
3. \$89.60
4. \$300
5. Tax \$36; \$516
6. \$132
7. \$1,101.60
8. \$240
9. \$290.40
10. \$484; \$16 less than original

Worksheet 4 — Profit, Loss, Discount & Tax Together

Name: _____ Date: _____

1. A shop buys an item for \$300, marks it at \$420, and gives a 10% discount. Find the selling price and profit percentage.
2. An item costs \$500. It is marked up by 30% and then discounted by 20%. Find the selling price and profit percentage.
3. A bicycle costs \$800. It is marked at \$1,000 and sold after a 15% discount. Find the profit percentage.
4. A jacket is marked at \$600, discounted by 25%, then taxed at 8%. Find the amount paid.
5. A trader buys 40 calculators at \$18 each. They are marked at \$30 each and sold at a 10% discount. Find total profit.
6. An item is sold for \$612 after a 15% discount on its marked price. If its cost price was \$480, find the marked price and profit percentage.
7. A shop buys a product for \$250. It wants a 20% profit after giving a 10% discount. What marked price should it use?
8. An item marked \$750 is discounted by 20% and then taxed by 5%. If the cost price is \$500, find the final profit percentage.
9. A product costs \$640. It is marked up by 25%, discounted by 10%, and taxed at 8%. Find the final amount paid by the customer.
10. A seller claims an item was discounted by 25%, but the price fell from \$320 to \$260. Find the actual discount percentage.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 4

Check your calculations and percentage method.

1. \$378; 26% profit
2. \$520; 4% profit
3. \$850; 6.25% profit
4. \$486
5. \$360 total profit
6. Marked price \$720; 27.5% profit
7. \$333.33... (about \$333.34 if cents are required)
8. Final \$630; 26% profit
9. \$777.60
10. 18.75%

Worksheet 5 — Real-Life Applications

Name: _____ Date: _____

1. A store buys 50 water bottles for \$6 each and sells them for \$8.40 each. Find total profit and profit percentage.
2. A phone marked at \$900 is discounted by 18%, then taxed at 10%. Find the final amount paid.
3. A shop buys a table for \$240 and wants a 25% profit. It offers customers a 10% discount on the marked price. Find the required marked price.
4. A coat is sold for \$144 after a 20% discount. Find the marked price. If its cost was \$100, find the profit percentage.
5. A retailer buys 120 notebooks for \$2.50 each. 10% are damaged and cannot be sold. The remaining notebooks are sold for \$4 each. Find the overall profit percentage.
6. A bicycle is sold for \$540 after a 10% discount and 8% tax is charged on the discounted price. Find the marked price and the amount of tax.
7. A product's price rises by 20% and then falls by 20%. If its original price was \$250, find the final price and overall percentage change.
8. A shop offers either 30% off or two successive discounts of 20% and 15%. Which gives the lower final price on a \$500 item? Find the difference.
9. A seller buys an item for \$360. After a discount, the customer pays \$414 before tax. What profit percentage did the seller make?
10. A bill is \$480 before tax. A coupon reduces it by 15%, then 8% tax is added. Find the final bill.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 5

Check your calculations and percentage method.

1. \$120 profit; 40%
2. \$810.80
3. \$333.33... (about \$333.34 if cents are required)
4. \$180; 44% profit
5. Cost \$300; revenue \$432; profit \$132 = 44%
6. Marked price \$550; tax \$36
7. \$240; 4% decrease
8. 30% off: \$350; successive discounts: \$340; difference \$10
9. 15%
10. \$440.64

Worksheet 6 — Profit, Loss, Discount & Tax Challenge

Name: _____ Date: _____

1. An item costs \$400. It is marked up by 40%, discounted by 15%, and taxed at 8%. Find the final amount paid and the seller's profit percentage before tax.
2. A shop sells an item for \$552 after a 20% discount. The cost price is \$400. Find the marked price and profit percentage.
3. A product is sold at a 12% loss. If it had been sold for \$84 more, there would have been a 2% profit. Find the cost price.
4. A trader buys an item for \$600. What marked price should be used so that after a 20% discount the trader still makes a 12% profit?
5. A \$1,000 item receives two discounts of 10% and 15%, then 8% tax is added. Find the final price and the overall percentage change from the original marked price.
6. A store's cost price is \$720. It wants a 25% profit after a 10% discount and 5% tax charged to the customer. Find the required marked price.
7. An item is sold for \$690 after a 15% discount. If the seller made a 15% profit, find the cost price and marked price.
8. A customer has a budget of \$500. An item marked \$520 receives 20% discount and then 10% tax. Does the final price fit the budget? Find the amount over or under.
9. A product's marked price is 25% above cost. It is then discounted by 12%. Find the profit percentage on the sale price.
10. A shop buys an item for \$800 and wants a 20% profit after a 20% discount. Find the marked price. If 10% tax is then added to the discounted selling price, find the customer payment.

Show your working clearly. Round only when necessary and state your rounding.

Answer Key — Worksheet 6

Check your calculations and percentage method.

1. Final \$475.20; seller profit 19%
2. Marked price \$690; 38% profit
3. \$600
4. \$840
5. \$918; 8.2% decrease
6. \$1,000
7. Cost price \$600; marked price \$811.76... (about \$811.77)
8. Final \$457.60; \$42.40 under budget
9. 10% profit
10. Marked price \$1,200; customer pays \$1,056