

GRADE 5 MATHEMATICS

SUBTRACTION

Complete Worksheet Pack

Mental strategies • Missing numbers • Estimation • Real-world problems • Reasoning

Five printable worksheets and five clearly spaced answer-key pages.

Worksheet 1: Smart Subtraction Strategies

Name: _____ Date: _____

A. Calculate efficiently

1. $80,000 - 19,999 =$ _____

2. $650,000 - 250,500 =$ _____

3. $1,000,000 - 475,000 =$ _____

4. $720,300 - 99,900 =$ _____

5. $3,500,000 - 1,250,000 =$ _____

6. $500,005 - 199,995 =$ _____

B. Explain your method

7. Work out $600,000 - 298,000$ using compensation. Show your strategy.

8. Calculate $850,000 - 375,000$ in two different ways.

9. Which is easier to calculate mentally: $700,000 - 299,999$ or $700,000 - 287,436$? Explain.

Worksheet 2: Missing Numbers & Error Detective

Name: _____ Date: _____

A. Find the missing value

1. _____ $-$ 175,000 = 425,000

2. 900,000 $-$ _____ = 347,500

3. 1,250,000 $-$ _____ = 875,000

4. _____ $-$ 298,750 = 501,250

5. 2,000,000 $-$ _____ = 1,125,500

6. _____ $-$ 475,250 = 324,750

B. Find and correct the mistake

7. A student writes $600,000 - 199,999 = 400,001$. Is this correct? Explain.

8. A student says $1,000,000 - 375,600 = 725,400$. Find the error and the correct answer.

9. Maya claims subtracting 99,999 is the same as subtracting 100,000 and then subtracting 1 more. Explain the correct shortcut.

Worksheet 3: Estimation & Reasonableness

Name: _____ Date: _____

A. Estimate by rounding

1. Estimate $786,420 - 312,750$ by rounding both numbers to the nearest ten thousand.

2. Estimate $2,475,000 - 1,128,000$ by rounding both numbers to the nearest hundred thousand.

3. Estimate $9,450,000 - 4,670,000$ by rounding both numbers to the nearest million.

4. Estimate $605,200 - 198,600$ using convenient nearby numbers.

B. Reason about the result

5. A stadium has 82,500 seats and 37,850 are occupied. A student estimates 35,000 empty seats. Is that reasonable? Estimate, then calculate the exact number.

6. A warehouse starts with 1,205,000 items and ships 398,750. Is the remaining stock closer to 700,000, 800,000 or 900,000? Show why.

7. Without calculating exactly, decide whether $5,000,000 - 2,499,999$ is greater or less than 2,500,000. Explain.

Worksheet 4: Real-Life Subtraction

Name: _____ Date: _____

A. Solve each problem

1. A wildlife park recorded 245,750 visitors last year and 198,625 this year. How many fewer visitors came this year?

2. A school fundraising target is ■500,000. Students have raised ■367,850. How much more is needed?

3. A delivery company planned to drive 2,400 km this week. By Thursday it had driven 1,685 km. How many kilometres remain?

4. A library owned 125,600 books. It donated 18,750 books and recycled another 6,850. How many books remain?

5. A town had 875,400 residents. After 28,650 people moved away and 16,975 moved in, what was the new population?

B. Multi-step challenge

6. A museum has a yearly target of 300,000 visitors. It welcomed 82,450 in the first quarter, 76,825 in the second, and 69,375 in the third. How many visitors are needed in the fourth quarter to reach its target?

Worksheet 5: Subtraction Challenges

Name: _____ Date: _____

A. Think and solve

1. The difference between two numbers is 275,500. The larger number is 900,000. Find the smaller number.

2. Create two different subtraction equations with the same answer of 250,000. Use numbers greater than 500,000.

3. If $750,000 - 249,999 = 500,001$, what is $750,000 - 250,001$? Explain without starting again.

4. A number decreases by 125,750 and becomes 674,250. What was the original number?

5. A shop reduces the price of a laptop from ■68,750 to ■59,995. How much is the discount?

B. True or false? Explain

6. Subtracting 1 from both numbers in a subtraction expression does not change the difference.

7. $900,000 - 450,001$ is greater than 450,000.

8. If $A - B = 125,000$, then $(A + 5,000) - (B + 5,000) = 125,000$.

Answer Key: Worksheet 1

Grade 5 Subtraction • Teacher answer key

1. 60,001.
2. 399,500.
3. 525,000.
4. 620,400.
5. 2,250,000.
6. 300,010.
7. 302,000. Example: $600,000 - 300,000 + 2,000 = 302,000$.
8. 475,000. Example A: subtract 350,000, then 25,000. Example B: $850,000 - 400,000 + 25,000$.
9. $700,000 - 299,999$ is easier: subtract 300,000, then add 1 to get 400,001.

Answer Key: Worksheet 2

Grade 5 Subtraction • Teacher answer key

1. 600,000.
2. 552,500.
3. 375,000.
4. 800,000.
5. 874,500.
6. 800,000.
7. Correct: $600,000 - 199,999 = 400,001$.
8. Incorrect: the correct answer is 624,400.
9. Subtract 100,000, then add 1 back. Subtracting 99,999 removes one less than subtracting 100,000.

Answer Key: Worksheet 3

Grade 5 Subtraction • Teacher answer key

1. About 480,000 ($790,000 - 310,000$).
2. About 1,400,000 ($2,500,000 - 1,100,000$).
3. About 4,000,000 ($9,000,000 - 5,000,000$).
4. About 405,000 ($605,000 - 200,000$); other sensible estimates accepted.
5. No. About 45,000 seats are empty; exact number: 44,650.
6. Closer to 800,000; exact remainder: 806,250.
7. Greater than 2,500,000 by 1; exact difference: 2,500,001.

Answer Key: Worksheet 4

Grade 5 Subtraction • Teacher answer key

1. 47,125 fewer visitors.
2. ■132,150.
3. 715 km.
4. 100,000 books remain.
5. 863,725 residents.
6. 71,350 visitors are needed in the fourth quarter.

Answer Key: Worksheet 5

Grade 5 Subtraction • Teacher answer key

1. 624,500.
2. Answers vary; e.g., $750,000 - 500,000 = 250,000$ and $900,000 - 650,000 = 250,000$.
3. 499,999. Increasing the amount subtracted by 2 reduces the answer by 2.
4. 800,000.
5. ■8,755.
6. True. Example: $10 - 4 = 9 - 3 = 6$.
7. False. The difference is 449,999.
8. True. Adding the same amount to both numbers preserves the difference.