

3rd Grade American Math HW 3

Dear Family,

During the next few weeks, our math class will be learning about addition and subtraction strategies for numbers within 10,000.

You can expect to see homework that provides practice with using expanded form and place-value strategies as well as solving two-step addition and subtraction problems.

On the homework, make sure you read the question. If asked to, estimate by rounding to the nearest hundred and then add or subtract. After that, add or subtract again to find the exact answer.

Vocabulary

Expanded form: A way to write numbers by showing the value of each digit.

Regroup: To exchange amounts of equal value to rename a number.

- Homework due date: **Sunday, Sept. 28th** (Please upload HW on Archie)
- **Test on Thursday, Sept. 25th**
- **Thursday's test will cover adding and subtracting three-digit numbers with regrouping. The first homework page is extra practice for the test, and the rest also reviews addition and subtraction. The test is meant to check that students can subtract correctly using regrouping.**
- Feel free to contact me with any questions at diana.charaf@archimedean.org

Complete homework daily based on the schedule provided below:

Monday 09/22:

pages: 125 - 126

Tuesday 09/23:

pages: 131 - 132

Wednesday 09/24:


pages: 137 - 138

Thursday 09/25:

pages: 143 - 144

Friday 09/26:

pages: 149 - 150


$$3+3$$

This page is not homework, it is extra practice for
Thursday's test is needed

Subtracting 3-digit numbers, with regrouping

Find the difference.

$$\begin{array}{r} 1. \quad 386 \\ - 132 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 347 \\ - 245 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 450 \\ - 212 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 54 \\ - 2 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 261 \\ - 119 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 566 \\ - 454 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 509 \\ - 338 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 500 \\ - 327 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 360 \\ - 244 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 689 \\ - 73 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 38 \\ - 4 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 494 \\ - 371 \\ \hline \\ \hline \end{array}$$

Use Expanded Form to Add

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Interactive Examples

Estimate. Then use expanded form to find the sum.1. Estimate: 800

$$\begin{array}{r} 325 \\ + 494 \\ \hline \end{array} = \begin{array}{r} 800 + 20 + 5 \\ 400 + 90 + 4 \\ \hline 700 + 110 + 9 \end{array}$$

2. Estimate: _____

$$\begin{array}{r} 518 \\ + 372 \\ \hline \end{array} =$$

3. Estimate: _____

$$\begin{array}{r} 731 \\ + 207 \\ \hline \end{array} =$$

4. Estimate: _____

$$\begin{array}{r} 495 \\ + 254 \\ \hline \end{array} =$$

Problem Solving

Use the table for 5–6.

5. Laura is making a building using Set A and Set C. How many blocks can she use in her building?

6. Omagi is making a building using Set B and Set C. How many blocks can he use in his building?

Build-It Blocks	
Set	Number of Blocks
A	165
B	188
C	245

Lesson Check

9. Arthur read two books last week. One book has 216 pages. The other book has 327 pages. Altogether, how many pages are in the two books?
10. One skeleton in a museum has 189 bones. Another skeleton has 232 bones. How many bones are in the two skeletons?

13. Jonas wrote $9 + 8 = 17$. What equation shows the Commutative Property of Addition?
14. At Kennedy School there are 37 girls and 36 boys in the third grade. How many students are in the third grade at Kennedy School?

Use Place Value to Add

Go Online

Interactive Examples

Estimate. Then find the sum.

1. Estimate: _____

$$\begin{array}{r} \overset{1}{3}24 \\ + 285 \\ \hline 609 \end{array}$$

2. Estimate: _____

$$\begin{array}{r} 519 \\ + 347 \\ \hline \end{array}$$

3. Estimate: _____

$$\begin{array}{r} 323 \\ + 151 \\ \hline \end{array}$$

4. Estimate: _____

$$\begin{array}{r} 169 \\ + 354 \\ \hline \end{array}$$

5. Estimate: _____

$$\begin{array}{r} 127 \\ + 290 \\ \hline \end{array}$$

6. Estimate: _____

$$\begin{array}{r} 258 \\ + 565 \\ \hline \end{array}$$

7. Estimate: _____

$$\begin{array}{r} 311 \\ + 298 \\ \hline \end{array}$$

8. Estimate: _____

$$\begin{array}{r} 534 \\ + 256 \\ \hline \end{array}$$

Problem Solving

9. Mark has 215 baseball cards. Emilio has 454 baseball cards. How many baseball cards do Mark and Emilio have altogether?

10. Antonio has 330 pennies. Niev has 268 pennies. Rachel has 381 pennies. Which two students have more than 700 pennies combined?

Lesson Check

12. There are 167 students in the third grade. The same number of students attend the fourth grade. How many third graders and fourth graders are there?
13. Jamal read a book with 128 pages. Then he read a book with 179 pages. How many pages did Jamal read?

Spiral Review

14. Alexei travels 248 miles on Monday. He travels 167 miles on Tuesday. Estimate the total number of miles Alexei travels.
15. Waylon made \$14, \$62, \$40, and \$36 mowing lawns. How much did he make mowing lawns?
16. There are 24 students in Mrs. Cole's class and 19 students in Mr. Garmen's class. How many students are in the two classes?
17. There were 475 children at the baseball game on Sunday. What is 475 rounded to the nearest ten?

Use Place Value to Subtract

Go Online

Interactive Examples

Estimate. Then find the difference.1. Estimate: 500

$$\begin{array}{r} 7 \quad 15 \\ 585 \\ - 119 \\ \hline \end{array}$$

2. Estimate: _____

$$\begin{array}{r} 738 \\ - 227 \\ \hline \end{array}$$

3. Estimate: _____

$$\begin{array}{r} 651 \\ - 376 \\ \hline \end{array}$$

4. Estimate: _____

$$\begin{array}{r} 815 \\ - 281 \\ \hline \end{array}$$

5. Estimate: _____

$$\begin{array}{r} 627 \\ - 253 \\ \hline \end{array}$$

6. Estimate: _____

$$\begin{array}{r} 862 \\ - 419 \\ \hline \end{array}$$

7. Estimate: _____

$$\begin{array}{r} 726 \\ - 148 \\ \hline \end{array}$$

8. Estimate: _____

$$\begin{array}{r} 543 \\ - 358 \\ \hline \end{array}$$

Problem Solving

9. Mrs. Cohen has 427 buttons. She uses 195 buttons to make puppets. How many buttons does Mrs. Cohen have left?

10. There were 625 ears of corn and 247 tomatoes sold at a farm stand. How many more ears of corn were sold than tomatoes?

Lesson Check

12. On Saturday, 453 people go to a school play. On Sunday, 294 people go to the play. How many more people go to the play on Saturday?
13. Corey has 510 marbles. He fills one jar with 165 marbles. How many of Corey's marbles are NOT in the jar?

Spiral Review

14. Patricio brought 64 peppers to sell at the farmers' market. There were 12 peppers left at the end of the day. How many peppers did Patricio sell?
15. An airplane flies 617 miles in the morning. Then it flies 385 miles in the afternoon. About how many more miles does the airplane fly in the morning?

17. Dexter has 128 shells. He needs 283 more shells for his art project. How many shells will Dexter use for his art project?

Combine Place Values to Subtract

Go Online

Interactive Examples

Estimate. Then find the difference.1. Estimate: 200

$$\begin{array}{r} 476 \\ - 269 \\ \hline \end{array}$$

2. Estimate: _____

$$\begin{array}{r} 615 \\ - 342 \\ \hline \end{array}$$

3. Estimate: _____

$$\begin{array}{r} 508 \\ - 113 \\ \hline \end{array}$$

4. Estimate: _____

$$\begin{array}{r} 716 \\ - 229 \\ \hline \end{array}$$

5. Estimate: _____

$$\begin{array}{r} 826 \\ - 617 \\ \hline \end{array}$$

6. Estimate: _____

$$\begin{array}{r} 900 \\ - 158 \\ \hline \end{array}$$

7. Estimate: _____

$$\begin{array}{r} 607 \\ - 568 \\ \hline \end{array}$$

8. Estimate: _____

$$\begin{array}{r} 973 \\ - 869 \\ \hline \end{array}$$

Problem Solving

9. Bev scored 540 points. This was 138 points more than Isaiah scored. How many points did Isaiah score?

10. A youth group earned \$285 washing cars. The group's expenses were \$79. How much profit did the group make washing cars?

Lesson Check

12. A television program lasts for 142 minutes. Of that time, 36 minutes are taken up by commercials. What is the length of the actual program without the commercials?
-
13. Salil spent 215 minutes at the library. Of that time, he spent 120 minutes on the computer. How much of his time at the library did Salil NOT spend on the computer?
-

Spiral Review

14. Xavier's older brother has 568 songs on his music player. To the nearest hundred, about how many songs are on the music player?
-
15. The students traveled to the zoo in 3 buses. One bus had 47 students. The second bus had 38 students. The third bus had 43 students. How many total students were on the three buses?
-
16. Callie has 83 postcards in her collection. Of the postcards, 24 are from Canada. The rest of the postcards are from the United States. How many of the postcards are from the United States?
-
17. There were 475 seats set up for the school play. At one performance, 189 of the seats were empty. How many seats were filled at that performance?
-

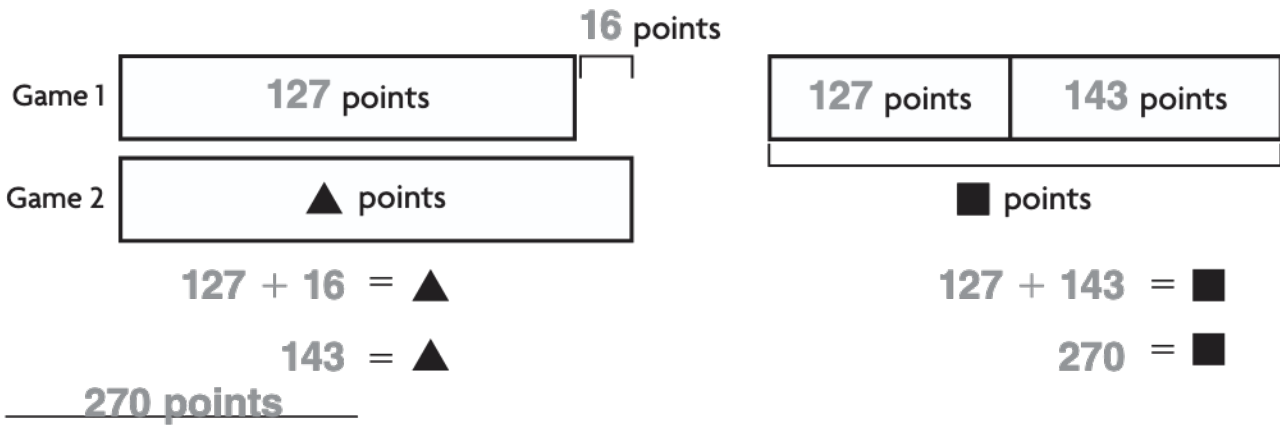
Model and Solve Two-Step Addition and Subtraction Problems

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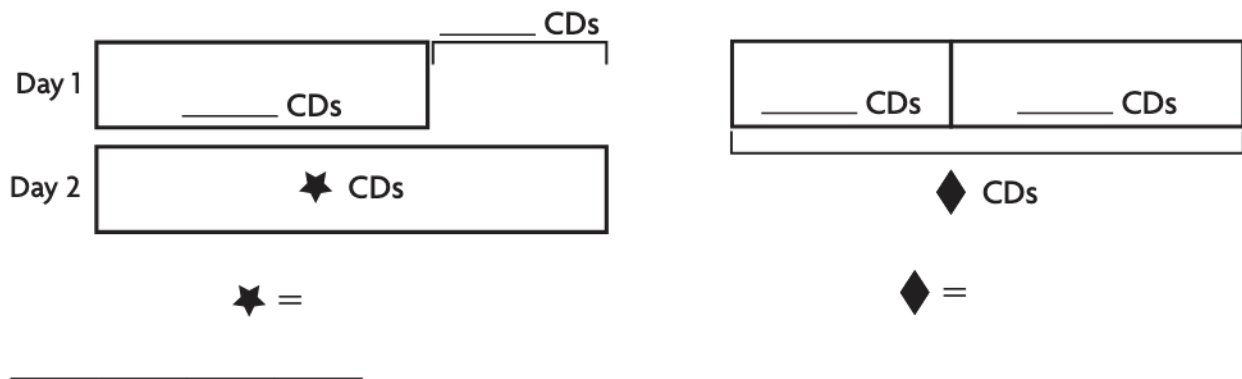
Interactive Examples

Use the bar model to solve the problem.

1. Elena went bowling. Elena's score in the first game was 127. She scored 16 more points in the second game than in the first game. What was her total score?



2. Mike's Music sold 287 CDs on the first day of a 2-day sale. The store sold 96 more CDs on the second day than on the first day. How many CDs in all were sold during the 2-day sale?



Lesson Check

- Ms. Hinely picked 46 tomatoes from her garden on Friday. On Saturday, she picked 17 more tomatoes than she did on Friday. How many tomatoes did she pick?
- Rosa read 57 pages of a book in the morning. She read 13 fewer pages in the afternoon. How many pages did Rosa read in all?

Spiral Review

- Miguel has 57 action figures. Alex has 186 action figures. Estimate the number of action figures Miguel and Alex have altogether.
- There are 500 sheets of paper in the pack Hannah bought. She has used 137 sheets already. How many sheets of paper does Hannah have left?
- There were 378 visitors to the science museum on Friday. There were 409 visitors on Saturday. How many more people visited the museum on Saturday?
- Ravi scores 247 points in a video game. How many more points does he need to score a total of 650?