



3rd Grade American Math HW 3

Dear Families,

In the coming weeks, we will practice adding, subtracting, estimating, rounding to the nearest ten and hundred, and finding number patterns. Homework will give students extra practice with these skills.

We will also learn about **compatible numbers**. Compatible numbers are close to the numbers you are given and easy to add in your head.

Example 1:

To estimate $38 + 71$:

- 40 is close to 38
- 70 is close to 71
- $40 + 70 = 110$
- So, $38 + 71$ is about 110.

Example 2:

To estimate $48 + 76$:

- 50 is close to 48
- 75 is close to 76
- $50 + 75 = 125$
- So, $48 + 76$ is about 125.

Vocabulary

Associative Property of

Addition: States that you can group addends in different ways and still get the same sum.

compatible numbers: Numbers that are easy to compute mentally and are close to the real numbers.

estimate: A number close to an exact amount.

Identity Property of Addition: States that the sum of any number and zero is that number.

pattern: An ordered set of numbers or objects

round: To round a number, find a number that tells you about how much or about how many.

rule: Describes a number pattern

- Homework due date: **Sunday, Sept. 14th** (Please upload HW on Archie)
- **Chapter 1 Test on Thursday, Sept. 11th** (First 4 pages from this week's HW are practice for the test)
- Feel free to contact me with any questions at diana.charaf@archimedean.org

Complete homework daily based on the schedule provided below:

Monday 09/08: Complete practice test pages: 1, 2, 3, 4

Tuesday 09/09: Open House - No HW

Wednesday 09/10: Review Practice Test

Thursday 09/11: IXL lessons: **HRT** and **3Y9**

Friday 09/12: IXL lessons: **8XG** and **QU2**


$$3+3$$

Chapter 1 Practice Test – Grade 3

Name: _____

Date: _____

Part A: Multiple Choice

Directions: Circle the correct answer.

1. What is the value of the 7 in the number 7,384?

- a) 7 ones
- b) 7 tens
- c) 7 hundreds
- d) 7 thousands

2. Which number is written in expanded form?

- a) 6,401
- b) $6,000 + 400 + 1$
- c) $6,401 = 6 \times 1,000 + 4 \times 100 + 0 \times 10 + 1 \times 1$
- d) Both b and c

3. Which number is the same as 3 thousands, 2 hundreds, 5 tens, and 8 ones?

- a) 3,258
- b) 3,528
- c) 3,852
- d) 3,285

4. Which shows 4,673 in word form?

- a) Four thousand, six hundred seventy-three
- b) Forty-six hundred seventy-three
- c) Four hundred sixty-seven and three
- d) Four thousand sixty-seven

5. Round 5,672 to the nearest hundred.

- a) 5,600
- b) 5,700
- c) 5,670
- d) 5,680

6. Which number is in between 3,420 and 3,480?

- a) 3,400
- b) 3,389
- c) 3,450
- d) 3,500

7. Which number is the same as 3,625
(Choose all the correct answers.)

- A) 3 thousands 6 hundreds 2 tens 5 ones
- B) 3 thousands 8 hundreds 25 ones
- C) 36 hundreds 25 ones
- D) 3 thousands + 600 + 20 + 5

Part B: Short Answer

Directions: Show your work.

8. Write 7,092 in expanded form.

9. Write 4,506 in word form.

10. Write a number that has 5 thousands, 0 hundreds, 8 tens, and 3 ones.

11. Round 2,941 to the nearest thousand.

12. What is 7,482 in expanded form?

13. What is forty-nine thousand, two hundred eighteen in standard form?

14. What is one hundred thirty-four thousand, nine hundred five in standard form?

14. Write the numbers in order from least to greatest:

186,795 | 186,579 | 87,005

15. Compare. Write $<$, $>$, or $=$.

a) 4,572 ___ 4,752

b) \$2,415 ___ \$2,451

c) 38,090 ___ 38,009

d) 96,721 ___ 96,721

e) 500,820 ___ 500,802

16. Round to the nearest 10:

a) 67 → _____

b) 834 → _____

c) 2,579 → _____

d) 1,406 → _____

17. Round to the nearest 100:

a) 742 → _____

b) 5,218 → _____

c) 12,459 → _____

d) 68,905 → _____

Part C: Problem Solving

Directions: Solve. Show your thinking.

18. The zoo counted 3,742 visitors on Saturday and 4,298 visitors on Sunday. Estimate the total number of visitors by rounding each number to the nearest hundred before adding.

19. The library has 6,832 books. About how many books is that if you round to the nearest thousand?

20. Mrs. Lopez packs markers in boxes of 100. How many boxes will she need to pack 4,500 markers?

_____ boxes

21. Samuel counts pennies. He counts 2 groups of 1,000 pennies and 45 groups of 10 pennies. How many pennies does Samuel count?

_____ pennies