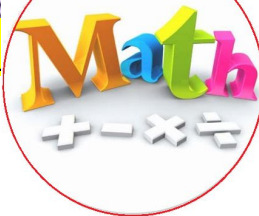


Name: _____

Section: _____



WRITE YOUR NAME

Homework

This week we will be continue with strategies for adding and subtracting.

Homework is due on MONDAY Sept 11.

Reminders

Please remember that homework is just a reinforcement of what we do in class. When a scholar completes homework, they are retaining the information. A scholar who does not complete the homework is more likely to forget what was learned in class.

Notes

- Homework is graded for completion. **However, students must show their work.** Students will lose 50% of the points if they turn in homework showing no work, even if the answers are present.
- **I will not accept homework more than four days late.** If the homework is **due on Monday**, the last day to turn it in will be **Friday**. Late homework will have points deducted. Homework will be graded as follows:
 - o On time and complete/work shown: 100%
 - o One day late: deduct 11 %
 - o Two days late: deduct 21 %
 - o Three days late: deduct 31%
 - o Four days late: deduct 41%
 - o Five days or more late: Z

Please feel free to contact me with any questions or concerns at natalie.roman@archimedean.org.

<input type="checkbox"/>	<u>Monday</u>	September 4	None (Labor Day)
<input type="checkbox"/>	<u>Tuesday</u>	September 5	None (FAST Testing)
<input type="checkbox"/>	<u>Wednesday</u>	September 6	None (FAST Testing)
<input type="checkbox"/>	<u>Thursday</u>	September 7	Compatible Numbers
<input type="checkbox"/>	<u>Friday</u>	September 8	Associative/Commutative Property

NAME _____

DATE _____

Set A6 ★ Independent Worksheet 1



INDEPENDENT WORKSHEET

Using Compatible Numbers to Estimate Answers

Mathematicians sometimes estimate answers to addition and subtraction problems by using *compatible numbers*. Compatible numbers are numbers that work well together. If a pair of numbers is easy to add or subtract, those numbers are *compatible*. For example:

Tonio collects sports cards. He has 17 football cards and 26 baseball cards. *About* how many cards does he have in all? *About* how many more baseball than football cards does he have?

17 is close to 15

26 is close to 25

$15 + 25 = 40$, so he has about 40 cards in all.

$25 - 15 = 10$, so he has about 10 more baseball than football cards.

1 Use compatible numbers to estimate the answer to each problem below. To use this estimation strategy, change the actual numbers to *compatible* numbers. The first two are done for you.

<p>addition example $397 + 198$</p> <p>397 is close to <u>400</u>.</p> <p>198 is close to <u>200</u>.</p> <p><u>400</u> + <u>200</u> = <u>600</u>,</p> <p>so the answer is about <u>600</u>.</p>	<p>subtraction example $252 - 126$</p> <p>252 is close to <u>250</u>.</p> <p>126 is close to <u>125</u>.</p> <p><u>250</u> - <u>125</u> = <u>125</u>,</p> <p>so the answer is about <u>125</u>.</p>
<p>a $149 + 148$</p> <p>149 is close to _____.</p> <p>148 is close to _____.</p> <p>_____ + _____ = _____,</p> <p>so the answer is about _____.</p>	<p>b $481 - 138$</p> <p>481 is close to _____.</p> <p>138 is close to _____.</p> <p>_____ - _____ = _____,</p> <p>so the answer is about _____.</p>

(Continued on back.)

Use addition properties and strategies to find the sum.

✓ 2. $13 + 26 + 54 =$ _____

✓ 3. $57 + 62 + 56 + 43 =$ _____

On Your Own

Use addition properties and strategies to find the sum.

4. $18 + 39 + 32 =$ _____

5. $13 + 49 + 87 =$ _____

6. There was a food drive at the school fair. Two local grocery stores each donated 75 boxes of pasta and 30 cans of soup. How many packages of food did both stores donate altogether?

7. Mrs. Jackson and Mrs. Reed each brought 25 packages of cups, 32 packages of plates, and 25 packages of napkins for the school picnic. How many packages of paper goods did the two mothers bring to the school picnic?

8. Change the order and the grouping of the addends so that you can use mental math to find the sum. Then find the sum.

$43 + 39 + 43 + 11 =$ _____

_____ + _____ + _____ + _____ = _____