Lesson 3 - Subtracting With Zeros

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet A

1. Estimate by rounding, then solve.

a) 2 1 0 0 0 0 0 0 b) 5 0 7 0 0 0 c) 6 0 1 9 0 0 0

-- 1 3 2 9 8 6 7 5 -- 3 4 7 9 8 7 -- 4 1 4 8 8 9 7

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

d) 5 0 0 7 0 0 9 e) 6 0 0 6 0 0 0 f) 4 0 4 0 0 0 0

-- 4 2 8 8 7 8 5 -- 4 6 2 9 6 7 8 -- 3 9 9 8 7 5 3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Solve each difference and check your work using addition.

a) 5 0 0 0 0 0 0 0 b) 9 0 0 2 0 0 0 0 0

-- 3 0 2 1 9 6 5 5 -- 6 7 4 4 7 7 5 4 3

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Check each of these equations to see if they are correct.

a) 5 0 0 0 0 0 0 b) 9 0 0 7 0 0 0 c) 8 0 0 0 0 0 0

-- 3 0 0 8 6 5 4 -- 7 0 5 3 8 7 7 -- 4 0 9 7 9 9 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 0 0 2 4 5 6 2 0 5 4 1 3 2 3 9 0 2 0 0 1

# 4. Use the five-step method to solve the following.

* 1. Jaela had 2000 stickers. She gave Brendan 497 stickers. How many stickers does Jaela have left?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_

Step 2 – Number Sentence : \_\_\_\_\_\_\_

- \_\_\_\_\_\_\_

Step 3 – Answer:

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# Step 4 - Sentence:

Step 5 - Check (Prove your answer):

* 1. Darren has 4009 hockey cards. He gave 999 cards to Leah. How many cards does Darren have now?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_

Step 2 – Number Sentence : \_\_\_\_\_\_\_

- \_\_\_\_\_\_\_

Step 3 – Answer:

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# Step 4 – Sentence:

Step 5 - Check (Prove your answer):

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Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet B

1. Estimate by rounding, then solve.

a) 2 0 0 0 0 0 b) 5 0 0 0 0 0 c) 6 0 0 0 0 0

-- 1 3 2 6 7 8 -- 3 4 7 6 7 7 -- 4 1 4 8 7 7

\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

d) 6 0 0 0 0 0 0 e) 9 0 0 0 0 0 0 0 f) 4 0 0 0 0 0 0 0 0

-- 4 3 8 5 3 2 4 -- 7 6 7 8 9 0 9 8 -- 1 9 9 9 9 9 7 6 5

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Solve for the difference and prove your answer by showing the addition sentence.

a) 5 0 0 0 0 0 0 b) 9 0 2 0 0 0 0 0

-- 3 2 1 6 7 8 8 -- 6 7 1 4 7 8 9 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Check each equation by using addition. If they are incorrect, prove what the correct answer is.

a) 5 0 0 0 0 0 0 b) 9 0 7 0 0 0 0 c) 8 0 0 0 0 0 0

-- 3 0 8 5 9 9 9 -- 7 5 3 0 0 0 0 -- 4 9 7 8 7 8 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 0 2 5 9 9 9 2 5 4 0 0 0 0 3 0 2 1 2 1 1

# 4. Use the five-step method to solve the following.

* + 1. Jaela had 4000 stickers. She gave Brendan 497 stickers. How many stickers does Jaela have left?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_

Step 2 – Number Sentence : \_\_\_\_\_\_\_

- \_\_\_\_\_\_\_

Step 3 – Answer:

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# Step 4 - Sentence:

Step 5 - Check (Prove your answer):

* + 1. Darren has 4009 hockey cards. He gave 812 cards to Leah and 190 cards to Kaylee. How many cards does Darren have now?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_

Step 2 – Number Sentence :

Step 3 – Answer:

# Step 4 – Sentence:

Step 5 - Check (Prove your answer):

Lesson 3 - Subtracting With Zeros

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet C

1. Estimate by rounding, then solve.

a) 2 0 0 6 0 0 b) 5 0 0 9 0 0 0 0 c) 6 0 0 8 0 0 0 0 0

-- 1 3 2 7 8 8 -- 3 4 7 9 6 3 2 2 -- 4 1 4 0 7 6 4 3 3

\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) 6 0 0 5 0 0 0 0 0 e) 9 0 0 8 0 0 0 0 f) 4 0 0 7 0 0 0 0 0

-- 4 3 8 8 8 7 6 7 7 -- 7 6 7 9 8 6 7 7 -- 1 9 9 9 8 9 9 9 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Solve for the difference and prove your answer by showing the addition sentence.

a) 5 0 0 0 0 0 0 0 b) 9 0 2 0 0 0 0 0 0

-- 3 2 1 7 9 9 9 9 -- 6 7 4 9 6 8 9 9 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Tell what is wrong with each of these equations. Find the correct solution.

a) 5 0 0 0 0 0 0 0 b) 9 0 7 0 0 0 0 0 c) 8 0 0 0 0 0 0 0 0

-- 3 0 8 8 8 8 9 9 -- 7 5 3 7 8 6 5 0 -- 4 9 7 8 8 9 6 7 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 0 2 2 2 2 1 1 1 4 3 2 1 3 5 0 4 1 3 2 1 4 3 0

# 4. Use the five-step method to solve the following.

* + - 1. Jaela had 8000 stickers. She gave Brendan 457 stickers. How many stickers does Jaela have left?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_

Step 2 – Number Sentence : \_\_\_\_\_\_\_

- \_\_\_\_\_\_\_

Step 3 – Answer:

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# Step 4 - Sentence:

Step 5 - Check (Prove your answer):

b) Darren has 7009 hockey cards. He gave 792 cards to Leah, 690 cards to Brayden and 700 cards to Kaylee. How many cards does Darren have now?

Step 1 – Numbers: \_\_\_\_\_\_, \_\_\_\_\_\_\_\_

Step 2 – Number Sentence : \_\_\_\_\_\_\_

- \_\_\_\_\_\_\_

Step 3 – Answer:

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# Step 4 – Sentence:

Step 5 - Check (Prove your answer):

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Worksheet D

1. Fill in the box with a number. Estimate by rounding, then solve.

a) 6 9 0 0 0 0 0 0 b) 9 9 4 0 \_\_ 0 c) 9 5 \_\_ \_\_ \_\_ 0 0 0

- 5 \_\_ 6 4 3 9 9 9 - 8 8 \_\_ 9 6 9 - 8 7 \_\_ \_\_ \_\_ \_\_ \_\_ \_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) 5 7 \_\_ \_\_ \_\_ 0 0 0 e) 9 0 0 0 \_\_ \_\_ \_\_ f) 9 6 \_\_ \_\_ \_\_ \_\_ 0 0 0

- 2 7 \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ - 8 9 4 5 \_\_ \_\_ \_\_ - 8 8 \_\_ 9 6 \_\_ \_\_ \_\_ \_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Fill in the box and solve for each difference. Then prove your answer by showing the addition sentence.

a) 5 0 0 0 b) 9 0 2 0

-- 3 3 2 -- 6 5 7

\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

3. Tell what is wrong with each of these equations. Find the correct solution. Prove your solution by showing the addition.

a) 5 0 0 0 0 0 0 0 b) 9 0 7 0 0 0 0 0 c) 8 0 0 0 0 0 0 0

-- 3 0 8 6 7 0 0 0 -- 7 5 3 6 5 6 7 8 -- 4 9 7 6 8 7 8 9

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2 0 2 4 3 0 0 0 2 5 4 4 5 3 2 2 4 1 3 4 2 3 2 1

# 4. Use the five-step method to solve the following.

* 1. Jaela had 8900 stickers. She gave Brendan 4987 stickers. How many stickers does Jaela have left?

* 1. Darren has 6709 hockey cards. He gave 192 cards to Leah, 860 cards to Brayden and 170 cards to Kaylee. How many cards does Darren have now?