

Name _____

Quick Check

4-3A

1. What is the difference of $831 - 524$?
 - A 307
 - B 313
 - C 331
 - D 1,356

2. There are 538 marbles in a jar. The jar tipped over, and 145 marbles spilled out. How many marbles are left in the jar?
 - A 438
 - B 433
 - C 413
 - D 393

3. **Writing to Explain** Find the difference of $428 - 154$ by breaking the problem into smaller, simpler subtraction problems. Show your work and explain how you found the answer.

Teamwork



Get Started



Put **0 1 2 3 4 5 6 7 8 9** in a bag.
Two players or two teams of two take turns.

Repeat for Each Round

Pick 4 tiles. Display two 2-digit numbers, with the greater 2-digit number first. Explain how to subtract those numbers on the hundred chart. Put your tiles back in the bag for the next round.

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1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

If you have more time



Find many ways to get a difference of 50 by subtracting two numbers on the hundred chart.

Teamwork



Get Started



Put **0** **1** **2** **3** **4** **5** **6** **7** **8** **9** in a bag.

Repeat for
Each Round

Pick 4 tiles. Display two 2-digit numbers, with the greater number first. Take turns until each group member explains a different way to subtract those numbers on the hundred chart. Put your tiles back in the bag for the next round.

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1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

If you have
more time



Find many ways to get a difference of 25 by subtracting two numbers on the hundred chart.

Subtracting with an Expanded Algorithm

Apple Hill is 568 feet high. Banana Hill is 293 feet high.
How many feet higher is Apple Hill than Banana Hill?

Find $568 - 293$.

"I need to find
 $568 - 293$."

Step 1

$$568 - 293 = ?$$

Start with 568.

Subtract the **2 hundreds**
in 293.

$$568 - 200 = 368$$

So far, 200 has
been subtracted.

Step 2

Now, start with 368.

Subtract the **9 tens** in 293.

There are not enough
tens. So, subtract the **6**
tens that are there.

$$368 - 60 = 308$$

Then, subtract the tens
that are left.

$$9 \text{ tens} - 6 \text{ tens} = 3 \text{ tens}$$

$$308 - 30 = 278$$

So far, $200 + 60 +$
 $30 = 290$ has been
subtracted.

Step 3

Start with 278.

Subtract the **3 ones** in
293.

$$278 - 3 = 275$$

In all $200 + 60 + 30 + 3 =$
293 has been subtracted.

Apple Hill is 275
feet higher than
Banana Hill.

1. Follow these steps to find $576 - 471$. 2. Follow these steps to find $365 - 138$.

First subtract 400.
Then, subtract 70.
Then, subtract 1.

First subtract 100.
Then, subtract 30.
Then, subtract 5.
Then, subtract 3.

3. Find $756 - 602$.

4. Find $848 - 276$.

5. Find $641 - 139$.

6. Sue's story is 367 words long.
Rob's story is 296 words long.
How many more words does Sue's
story have than Rob's?

7. **Reason** Find $496 - 217$. Were there
enough ones to subtract? How did
you know?

Subtracting with an Expanded Algorithm

1. Follow these steps to find $879 - 659$.

First subtract 600.
Then, subtract 50.
Then, subtract 9.

2. Follow these steps to find $775 - 431$.

First subtract 400.
Then, subtract 30.
Then, subtract 1.

3. Follow these steps to find $564 - 117$.

First subtract 100.
Then, subtract 10.
Then, subtract 4.
Then, subtract 3.

4. Follow these steps to find $428 - 275$.

First subtract 200.
Then, subtract 20.
Then, subtract 50.
Then, subtract 5.

5. Find $684 - 362$.
- _____

6. Find $208 - 135$.
- _____

7. Find $479 - 283$.
- _____

8. Find $614 - 153$.
- _____

9. Eric and Kim are on a game show. Eric has 583 points. Kim has 349 points. How many more points does Eric have than Kim?
- _____

10. **Reason** Malcolm is trying to find $775 - 342$. He subtracts hundreds first, then tens, then ones. What three numbers did Malcolm subtract to find the answer?
- _____

11. **Communicate** Kyle is making a building out of blocks. So far his building is made up of 129 blocks. When his building is finished, it will have 275 blocks. How many more blocks does Kyle need to finish his building? Explain how you found your answer.
- _____
- _____

12. Which of the following shows the numbers that can be subtracted to find $395 - 129$?

A 300, 90, 5

B 900, 20, 1

C 100, 20, 9, 5

D 100, 20, 5, 4

Name _____

All, Some, None Statements

Read the *All*, *Some*, and *None* statements.
Then write *true*, *false*, or *can't tell* for each question.

All of the third graders take piano lessons.
Some of the fourth graders take drum lessons.
None of the fifth graders take drum lessons.

Remember!

All means "everyone."
Some means "one or more."
None means "no one."

1. Dan is in the third grade,
so he takes piano lessons.

2. John takes drum lessons,
so he is in fourth grade.

3. Colleen is in the fifth grade,
so she takes drum lessons.

4. Ellen takes piano lessons,
so she is in the third grade.

All of the books the library is selling cost \$3 each.
Some of the books are about sports.
None of the books are about football.

5. Ken bought a book from the library,
so the book is about sports.

6. Debbie bought a book from the
library, so the book is about football.

7. Reni bought a book about birds,
so she bought it from the library.

8. Marty bought a book from the
library, so he paid \$3 for it.
