



GRADE 2 / WATCH MR DJ SOLVE

MODELING ADDITION AND SUBTRACTION TO 1,000

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Model $236+147$. Write the sum and explain a trade.**

- 1 Ones: $6+7=13$.
- 2 Trade ten ones for one ten.
- 3 Combine the places: 383.

Answer: **383****REMEMBER** model addition and subtraction within 1,000 and connect each trade to a written step.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

GRADE 2 / WORKED METHODS
MODELING ADDITION AND SUBTRACTION TO 1,000

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Add matching units

$$236 + 147 = 383$$

1. $6 + 7 = 13$ ones: one ten and three ones.
2. $3 + 4 + 1 = 8$ tens.
3. $2 + 1 = 3$ hundreds.

Part 1	Part 2	Whole
2 hundreds	1 hundred	3 hundreds
3 tens	4 tens	8 tens
6 ones	7 ones	3 ones

$$236 + 147 = 383$$

Before trades: 3 hundreds, 7 tens, 13 ones

GRADE 2 / WORKED METHODS

MODELING ADDITION AND SUBTRACTION TO 1,000

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Rename a ten

$383 - 147 = 236$

1. Rename 383 as 3 hundreds, 7 tens, 13 ones.
2. Remove 1 hundred, 4 tens, 7 ones.
3. 2 hundreds, 3 tens, 6 ones remain.

Start	Remove	Left
3 hundreds	1 hundred	2 hundreds
8 tens	4 tens	3 tens
3 ones	7 ones	6 ones

$$383 - 147 = 236$$

Trade first: 3 hundreds, 7 tens, 13 ones

GRADE 2 / MATHEMATICAL WORK TOOL

MODELING ADDITION AND SUBTRACTION TO 1,000

Draw, label and explain.



Draw blocks or write counts in each place. A hundred is ten tens; a ten is ten ones. Show trades without changing the total.

Hundreds	Tens	Ones

GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Mild
1. Model $383 - 147$. Show a trade for the ones.

My answer / conclusion: _____



GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Mild

2. Add $236+200$ using a drawing.

My answer / conclusion: _____



Name _____ **Date** _____



GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

 Medium

3. Subtract 100 from 383. Show which place changes.

My answer / conclusion: _____

 Medium

4. Fill $\square$: $236 + \square = 383$. Check.

My answer / conclusion: _____



Date _____

MODELING ADDITION AND SUBTRACTION TO 1,000

A cartoon fox character with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Medium 5. Find $306 - 147$. Use place-value drawings.

My answer / conclusion: _____



GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

6. Digit says $236 + 147 = 373$. How can a drawing show the missing ten?

My answer / conclusion: _____



Name _____ **Date** _____



GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🍏🍏🍏 **Spicy**

🔥🔥 Spicy 7. Explain why $383-147$ and $236+147$ are related.

My answer / conclusion: _____

GRADE 2 / PRACTICE

MODELING ADDITION AND SUBTRACTION TO 1,000

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Show 236 in two ways before adding 147. Explain why both methods agree.

My answer / conclusion: _____