



GRADE 2 / WATCH MR DJ SOLVE

ADDING AND SUBTRACTING WITHIN 100

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Find $28+17$. Show tens and ones.**

- 1 Tens: $20+10=30$.
- 2 Ones: $8+7=15$.
- 3 Combine to get 45.

Answer: **45****REMEMBER** add and subtract within 100 using place value, count-on and related facts.

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

ADDING AND SUBTRACTING WITHIN 100

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.

Trade ones for a ten

$28+17=45$

1. $20+10=30$.
2. $8+7=15$, or one ten and five ones.
3. $30+15=45$.

Part 1	Part 2	Whole
2 tens	1 ten	4 tens
8 ones	7 ones	5 ones

$$28 + 17 = 45$$

Before trades: 0 hundreds, 3 tens, 15 ones

GRADE 2 / WORKED METHODS

ADDING AND SUBTRACTING WITHIN 100

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.

Trade a ten for ones

$45 - 17 = 28$

1. Rename 45 as three tens and fifteen ones.
2. $15 - 7 = 8$; 3 tens - 1 ten = 2 tens.
3. Two tens and eight ones make 28.

Start	Remove	Left
4 tens 5 ones	1 ten 7 ones	2 tens 8 ones

$$45 - 17 = 28$$

Trade first: 0 hundreds, 3 tens, 15 ones

GRADE 2 / MATHEMATICAL WORK TOOL

ADDING AND SUBTRACTING WITHIN 100

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



Date _____

ADDING AND SUBTRACTING WITHIN 100

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

 Mild

1. Find $45-17$. Show a trade.

My answer / conclusion: _____



GRADE 2 / PRACTICE

ADDING AND SUBTRACTING WITHIN 100

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. Use count-on to find $45-28$.

My answer / conclusion: _____

👉👉 Medium

3. Find $28+19$ with an easy nearby fact.

My answer / conclusion: _____

GRADE 2 / PRACTICE

ADDING AND SUBTRACTING WITHIN 100

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

4. Find $45-9$ with a nearby fact.

My answer / conclusion: _____

 Medium

5. Fill $\square$: $28 + \square = 45$. Show a check.

My answer / conclusion: _____



Date _____

ADDING AND SUBTRACTING WITHIN 100

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

🔥🔥🔥 **Spicy**



Date _____

ADDING AND SUBTRACTING WITHIN 100

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

7. Solve $28+17$ in two ways. Why must both give the same total?

GRADE 2 / PRACTICE

ADDING AND SUBTRACTING WITHIN 100

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. Write two different sums with total 45. Keep both addends two-digit.

My answer / conclusion: _____