



GRADE 1 / WATCH MR DJ SOLVE

STRATEGIES FOR FACTS WITHIN 20

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****Find $8+5$. Make a ten.**

- 1 8 needs 2.
- 2 Split 5 into 2 and 3.
- 3 $10+3=13$.

Answer: **13****REMEMBER** use make-ten, a double or a related fact for sums and differences within 20.

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 1 / WORKED METHODS
STRATEGIES FOR FACTS WITHIN 20

Read a complete example before trying the matching method.

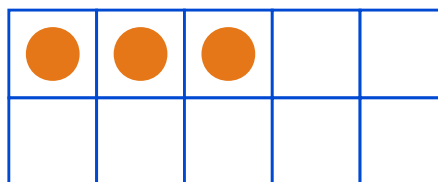
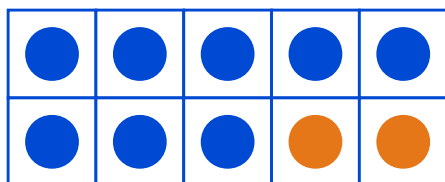


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A full ten and leftovers

$$8+5=10+3=13$$

1. 8 needs 2.
2. Split 5 into 2 and 3.
3. $10+3=13$.



$$8 + 5 = 13$$

$$10 + 3 = 13$$



GRADE 1 / WORKED METHODS

STRATEGIES FOR FACTS WITHIN 20

Read a complete example before trying the matching method.

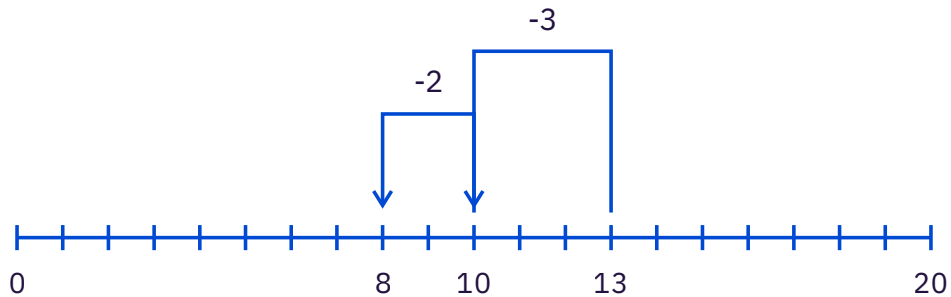


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Back through ten

$13-5=8$

1. Take 3 from 13: 10.
2. Take 2 more: 8.
3. 3 and 2 are the five removed.



$13-3-2=8$



GRADE 1 / WORKED METHODS

STRATEGIES FOR FACTS WITHIN 20

Read a complete example before trying the matching method.

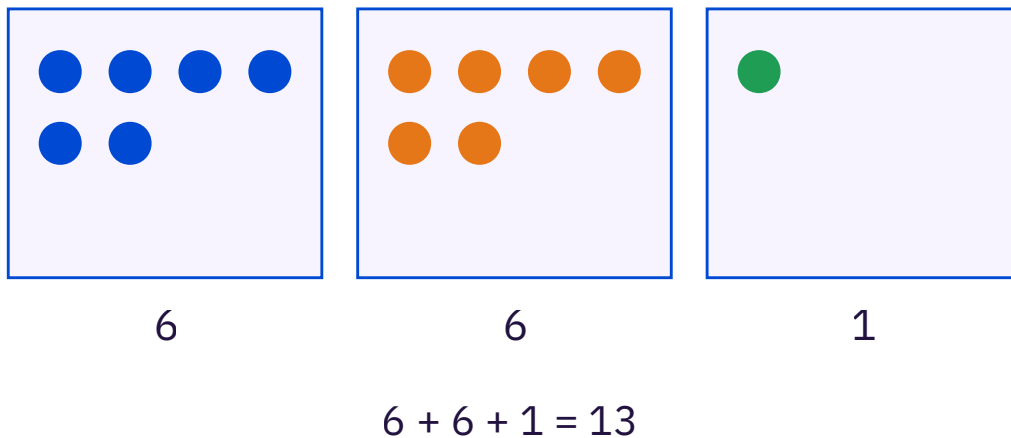


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A double and one more

$$6+7=6+6+1=13$$

1. $6+6=12$.
2. 7 has one more than 6.
3. $12+1=13$.



GRADE 1 / MATHEMATICAL WORK TOOL

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell.



Draw up to ten counters in each frame. Two colors can show the two parts.



Date _____

STRATEGIES FOR FACTS WITHIN 20

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

 Mild

1. Find 13–5. Go back to 10 first.

My answer or words: _____



Date _____

STRATEGIES FOR FACTS WITHIN 20

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

2. Use a double to find $5+6$.



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Medium

3. Fill $\square$: $8 + \square = 13$.

Grid area for drawing or building a strategy.

My answer or words: _____



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Medium

4. Find $5+8$. Start with the larger part.

Grid area for drawing or building the solution.

My answer or words: _____



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Medium

5. Find $13-4$. Show a drawing.

Grid area for drawing the solution to the problem.

My answer or words: _____



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

🔥🔥🔥 Spicy

6. Digit says $5+6$ is just double 5. What is missing?

My answer or words: _____



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

🔥🔥🔥 Spicy

7. Solve $8+5$ in two ways.

Grid area for drawing or building the solution.

My answer or words: _____



GRADE 1 / PRACTICE

STRATEGIES FOR FACTS WITHIN 20

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Extra Spicy

8. Make two different sums with total 12. Use parts no larger than 9.

My answer or words: _____