

Make Ten Magic

Use facts you know to add quickly.

GRADE 2 • NY-2.OA.2.b

NY-2.OA.2.b "Know from memory all sums within 20 of two one-digit numbers."

NAME _____

DATE _____

MAKE A TEN

Use a fact you know to help you remember addition facts. When an addend is close to 10, make 10 first, then add what is left.

WORKED EXAMPLE

A robot has 8 red buttons and 5 blue buttons. How many buttons does it have?

1. Start with $8 + 5$.
2. Split 5 into $2 + 3$.
3. Add $8 + 2 = 10$.
4. Add $10 + 3 = 13$.

Answer: 13 buttons

PRACTICE 5 problems

- 1** A train has 9 passengers. Then 3 more passengers get on. How many passengers are on the train?

ANSWER _____

- 2** A child has 4 green crayons and 7 purple crayons. How many crayons are there?

ANSWER _____

- 3** A puppy has 6 chew toys. It gets 6 more chew toys. How many chew toys does it have?

ANSWER _____

- 4** There are 9 red balloons and 7 yellow balloons. How many balloons are there?

ANSWER _____

- 5** A game shelf has 9 card games and 9 board games. How many games are on the shelf?

ANSWER _____

APPLY IT Show your work

- 1** Noah has 6 dinosaur stickers. His aunt gives him 9 more dinosaur stickers. How many dinosaur stickers does Noah have now?

WORK SPACE

ANSWER _____

- 2** At a pet shop, there are 7 kittens in one room and 9 kittens in another room. How many kittens are there altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Mia has 7 star stamps and 7 heart stamps. Explain how making 10 can help you find the total.

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A train has 9 passengers. Then 3 more passengers get on. How many passengers are on the train?	12 passengers
2	A child has 4 green crayons and 7 purple crayons. How many crayons are there?	11 crayons
3	A puppy has 6 chew toys. It gets 6 more chew toys. How many chew toys does it have?	12 chew toys
4	There are 9 red balloons and 7 yellow balloons. How many balloons are there?	16 balloons
5	A game shelf has 9 card games and 9 board games. How many games are on the shelf?	18 games

PART 2 • APPLY IT

1. **15 dinosaur stickers** Add $6 + 9$. The total is 15.
2. **16 kittens** Add $7 + 9$. The total is 16.

CHALLENGE

Split one 7 into 3 and 4. Then $7 + 3 = 10$, and $10 + 4 = 14$.

Accept the correct total with or without the object name. For the challenge, accept any clear explanation that makes 10 and finds 14.