LESSON MAKER PRO

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 _____

3 Fact recall round. Cover the worked example and earlier answers. For 8+5, 9+3, 6+6, and 9+7, say or write each sum from memory if you know it. Mark R for recalled or W if you worked it out. Tell your teacher which facts need practice. Use make-ten or counters to check and practice those facts. Cover that work; your teacher then asks the same four facts in a different order. Record the new sums and R/W marks. This is not a timed race.

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

ANSWER KEY # Make Ten Magic

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.
3. **8+5=13; 9+3=12; 6+6=12; 9+7=16.** Check both rounds for accurate sums and honest R/W marks. Listen to the second round with earlier work covered, allowing oral responses and adult recording. If a sum is still worked out rather than recalled, record it for further supported practice; do not treat a correct derived answer as evidence of recall.

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. For Apply 3, observe the supported recall/practice/revisit round, not merely four written correct totals. Keep R/W records to identify facts needing more practice; no timer or full-fact mastery claim.