

# Maya's Quest: Video Game Hero Addition

Grade 1

math

video-game-heroes

Students will be able to add numbers within 20 by counting on, making ten, and using known facts to find sums.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Maya enters the glowing pixel world. She grabs 3 special objects from the first chest. She finds 2 more nearby. How many special objects does Maya have?  $3 + 2 = \underline{\quad}$

2. Maya spots a unique item on the bridge. She already has 4 unique items. She picks up 3 more. How many unique items does Maya have now?  $4 + 3 = \underline{\quad}$

3. Maya reaches the crystal cave. She collects 6 rare finds on the left wall. She collects 5 rare finds on the right wall. Fill in the blank:  $6 + 5 = \underline{\quad}$ . How many rare finds did Maya collect?

4. True or False? Maya finds 7 special objects in the lava zone. She finds 6 more in the ice zone. Maya now has 14 special objects in all. Circle: TRUE or FALSE. Show your working:  $7 + 6 = \underline{\quad}$

5. Maya unlocks a secret door. Behind it she sees 8 unique items on one shelf and 5 unique items on another shelf. How many unique items are there in all? Show your working:  $8 + 5 = \underline{\quad}$

6. Maya races to the power tower. She finds 9 power gems (special objects) on level one. She finds 8 more power gems on level two. How many power gems does Maya have? Show every step:  $9 + 8 = \underline{\quad}$

7. Maya finds a hidden treasure chest! Inside are two rare finds. The first rare find holds 6 star coins. The second rare find holds 7 star coins. Maya also kept 4 star coins from before. How many star coins does Maya have in all? Show your steps.

8. Maya reaches the final hidden treasure — the Golden Game Crown! The crown needs 20 power gems to open. Maya has 9 power gems in her left pocket and 8 power gems in her right pocket. She finds 3 more power gems on the floor. Does Maya have enough to open the crown? Show all your steps and write YES or NO.

## Answer Key: Maya's Quest: Video Game Hero Addition

GRADE 1 | TEACHER & PARENT USE ONLY

After Q6, ask students: Maya found 9 power gems and then 8 more — can anyone show two different ways to get that sum? Students who used make-a-ten ( $9+1=10$ ,  $10+7=17$ ) versus counting on are demonstrating exactly the fluency CCSS.MATH.1.OA.C.6 targets.

1. Maya enters the glowing pixel world. She grabs 3 special objects from the first chest. She finds 2 more nearby. How many special objects does Maya have?  $3 + 2 = \underline{\quad}$

**Answer:  $3 + 2 = 5$ . Maya has 5 special objects.**

2. Maya spots a unique item on the bridge. She already has 4 unique items. She picks up 3 more. How many unique items does Maya have now?  $4 + 3 = \underline{\quad}$

**Answer:  $4 + 3 = 7$ . Maya has 7 unique items.**

3. Maya reaches the crystal cave. She collects 6 rare finds on the left wall. She collects 5 rare finds on the right wall. Fill in the blank:  $6 + 5 = \underline{\quad}$ . How many rare finds did Maya collect?

**Answer:  $6 + 5 = 11$ . Maya collected 11 rare finds.**

4. True or False? Maya finds 7 special objects in the lava zone. She finds 6 more in the ice zone. Maya now has 14 special objects in all. Circle: TRUE or FALSE. Show your working:  $7 + 6 = \underline{\quad}$

**Answer:  $7 + 6 = 13$ . Maya has 13 special objects, NOT 14. The answer is FALSE.**

5. Maya unlocks a secret door. Behind it she sees 8 unique items on one shelf and 5 unique items on another shelf. How many unique items are there in all? Show your working:  $8 + 5 = \underline{\quad}$

**Answer:  $8 + 2 = 10$ , then  $10 + 3 = 13$ . So  $8 + 5 = 13$ . There are 13 unique items in all.**

6. Maya races to the power tower. She finds 9 power gems (special objects) on level one. She finds 8 more power gems on level two. How many power gems does Maya have? Show every step:  $9 + 8 = \underline{\quad}$

**Answer: Step 1:  $9 + 1 = 10$  (make a ten). Step 2:  $10 + 7 = 17$ . So  $9 + 8 = 17$ . Maya has 17 power gems.**

7. Maya finds a hidden treasure chest! Inside are two rare finds. The first rare find holds 6 star coins. The second rare find holds 7 star coins. Maya also kept 4 star coins from before. How many star coins does Maya have in all? Show your steps.

**Answer: Step 1:  $6 + 7 = 13$  star coins from the two rare finds. Step 2:  $13 + 4 = 17$  star coins in all. Maya has 17 star coins.**

8. Maya reaches the final hidden treasure — the Golden Game Crown! The crown needs 20 power gems to open. Maya has 9 power gems in her left pocket and 8 power gems in her right pocket. She finds 3 more power gems on the floor. Does Maya have enough to open the crown? Show all your steps and write YES or NO.

**Answer: Step 1:  $9 + 8 = 17$  (left pocket plus right pocket). Step 2:  $17 + 3 = 20$  (add the floor gems). Step 3: Maya has exactly 20 power gems.  $20 = 20$ , so YES — Maya opens the Golden Game Crown and wins the quest!**

