

Maya's Deep Sea Treasure Hunt

Grade 1

math

underwater-explorers

Students will add numbers within 20 using count-on strategies and known facts.

Name: _____

Date: _____

1. Maya dives down. She spots 2 glowing special objects near a coral arch and 3 more resting on the sandy floor. How many special objects does Maya see? $2 + 3 = \underline{\quad}$

2. Maya swims deeper. She collects 4 unique items from one reef cave and 4 more from the cave next door. How many unique items does Maya have? $4 + 4 = \underline{\quad}$

3. Maya's map shows two shipwrecks. The first wreck holds 5 rare finds. The second wreck holds 7 rare finds. How many rare finds are there in all? $5 + 7 = \underline{\quad}$

4. Maya opens an old chest. Inside she finds 6 unique items and 6 special objects. Fill in the blank. $6 + 6 = \underline{\quad}$. How many items total?

5. True or False? Maya collects 8 rare finds on Monday and 5 rare finds on Tuesday. She says she has 14 rare finds in all. Is Maya right? Circle: TRUE or FALSE. Show your working: $8 + 5 = \underline{\quad}$

6. Maya reaches the treasure cave! She counts 7 rare finds on the left ledge and 8 hidden treasures on the right ledge. How many items are on the ledges in all? Show your working.

7. Maya finds two locked boxes. Box A has 9 hidden treasures inside. Box B has 9 hidden treasures inside. Maya also spots 2 loose special objects on the floor. How many treasures and special objects does Maya find in all? Show every step.

8. Maya has found everything on her map! She collected 5 special objects, 6 unique items, and 7 rare finds on her dive. Back on her boat, Maya wants to know her grand total. How many items did Maya bring up from the deep sea? Show every step. What will Maya do with her collection?

Answer Key: Maya's Deep Sea Treasure Hunt

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After Q6, ask students: 'Maya found 7 rare finds and 8 hidden treasures — can you use Q6 to check that without counting all over again?' This reinforces the make-ten strategy directly from the worksheet numbers.

1. Maya dives down. She spots 2 glowing special objects near a coral arch and 3 more resting on the sandy floor. How many special objects does Maya see? $2 + 3 = \underline{\quad}$
Answer: $2 + 3 = 5$. Maya sees 5 special objects.
2. Maya swims deeper. She collects 4 unique items from one reef cave and 4 more from the cave next door. How many unique items does Maya have? $4 + 4 = \underline{\quad}$
Answer: $4 + 4 = 8$. Maya has 8 unique items.
3. Maya's map shows two shipwrecks. The first wreck holds 5 rare finds. The second wreck holds 7 rare finds. How many rare finds are there in all? $5 + 7 = \underline{\quad}$
Answer: $5 + 7$: start at 7, count on 5 more \rightarrow 8, 9, 10, 11, 12. Maya finds 12 rare finds in all.
4. Maya opens an old chest. Inside she finds 6 unique items and 6 special objects. Fill in the blank. $6 + 6 = \underline{\quad}$. How many items total?
Answer: $6 + 6 = 12$. Maya finds 12 items total inside the chest.
5. True or False? Maya collects 8 rare finds on Monday and 5 rare finds on Tuesday. She says she has 14 rare finds in all. Is Maya right? Circle: TRUE or FALSE. Show your working: $8 + 5 = \underline{\quad}$
Answer: $8 + 5$: start at 8, count on 5 \rightarrow 9, 10, 11, 12, 13. $8 + 5 = 13$, NOT 14. The answer is FALSE. Maya has 13 rare finds.
6. Maya reaches the treasure cave! She counts 7 rare finds on the left ledge and 8 hidden treasures on the right ledge. How many items are on the ledges in all? Show your working.
Answer: Step 1: Make ten $\rightarrow 7 + 3 = 10$. Step 2: $8 - 3 = 5$ left over. Step 3: $10 + 5 = 15$. So $7 + 8 = 15$. Maya counts 15 items on the ledges.
7. Maya finds two locked boxes. Box A has 9 hidden treasures inside. Box B has 9 hidden treasures inside. Maya also spots 2 loose special objects on the floor. How many treasures and special objects does Maya find in all? Show every step.
Answer: Step 1: $9 + 9 = 18$ (double). Step 2: $18 + 2 = 20$. Maya finds 20 treasures and special objects in all.
8. Maya has found everything on her map! She collected 5 special objects, 6 unique items, and 7 rare finds on her dive. Back on her boat, Maya wants to know her grand total. How many items did Maya bring up from the deep sea? Show every step. What will Maya do with her collection?
Answer: Step 1: $5 + 6 = 11$ (special objects + unique items). Step 2: $11 + 7 = 18$ (add rare finds). Maya's grand total is 18 items. She brought up 18 treasures from the deep sea $\diamond\diamond\diamond$ enough to fill the whole museum display she dreamed of!

