

Maya's Big Science Discovery Day

Grade 1

math

young-scientists

Students will be able to add numbers within 20 using counting strategies and known facts.

Name: _____

Date: _____

1. Maya finds 2 rare finds. She finds 3 more rare finds. How many rare finds does Maya have? Show your work: $2 + 3 = \underline{\quad}$

2. Maya puts 4 special objects in her bag. She adds 4 more special objects. How many special objects are in her bag? Show your work: $4 + 4 = \underline{\quad}$

3. Maya spots 6 unique items on the left rock. She spots 5 unique items on the right rock. How many unique items did Maya spot? Fill in: $6 + 5 = \underline{\quad}$

4. True or False: Maya found 7 rare finds before lunch. She found 6 rare finds after lunch. Maya found 14 rare finds in all. Circle: TRUE or FALSE. Show your work.

5. Maya lines up her special objects: 3, 6, 9, _____. Each time Maya adds 3 more special objects. What number comes next? Show your work.

6. Maya opens a hidden treasure chest. Inside are 8 unique items and 9 rare finds. How many items did Maya find inside? Show your work: $\underline{\quad} + \underline{\quad} = \underline{\quad}$

7. Maya gives 5 special objects to her friend. She still has 8 special objects left. How many special objects did Maya start with? Show your work: $5 + 8 = \underline{\quad}$

8. Maya solves her science mission! On Day 1 she loaded 9 rare finds into her unique item kit. On Day 2 she loaded 8 more rare finds. Her kit can hold 20 rare finds. How many spaces are still empty in Maya's kit? Step 1: Add the rare finds. Step 2: Subtract from 20. Show all your work.

Answer Key: Maya's Big Science Discovery Day

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After Q8, ask students to count all the rare finds Maya collected across the whole worksheet — this creates a fun cross-question addition challenge rooted in the same story numbers students already solved.

1. Maya finds 2 rare finds. She finds 3 more rare finds. How many rare finds does Maya have? Show your work: $2 + 3 = \underline{\quad}$

Answer: Q1: 2 rare finds + 3 rare finds = 5 rare finds. Maya has 5 rare finds.

2. Maya puts 4 special objects in her bag. She adds 4 more special objects. How many special objects are in her bag? Show your work: $4 + 4 = \underline{\quad}$

Answer: Q2: 4 special objects + 4 special objects = 8 special objects. Maya has 8 special objects.

3. Maya spots 6 unique items on the left rock. She spots 5 unique items on the right rock. How many unique items did Maya spot? Fill in: $6 + 5 = \underline{\quad}$

Answer: Q3: 6 unique items + 5 unique items = 11 unique items. Maya spotted 11 unique items.

4. True or False: Maya found 7 rare finds before lunch. She found 6 rare finds after lunch. Maya found 14 rare finds in all. Circle: TRUE or FALSE. Show your work.

Answer: Q4: 7 rare finds + 6 rare finds = 13 rare finds. 13 does not equal 14. The answer is FALSE. Maya found 13 rare finds in all.

5. Maya lines up her special objects: 3, 6, 9, $\underline{\quad}$. Each time Maya adds 3 more special objects. What number comes next? Show your work.

Answer: Q5: $3 + 3 = 6$, $6 + 3 = 9$, $9 + 3 = 12$. The next number is 12. Maya has 12 special objects.

6. Maya opens a hidden treasure chest. Inside are 8 unique items and 9 rare finds. How many items did Maya find inside? Show your work: $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Answer: Q6: 8 unique items + 9 rare finds = 17 items in all. Maya found 17 items inside the hidden treasure chest.

7. Maya gives 5 special objects to her friend. She still has 8 special objects left. How many special objects did Maya start with? Show your work: $5 + 8 = \underline{\quad}$

Answer: Q7: 5 special objects given away + 8 special objects left = 13 special objects. Maya started with 13 special objects.

8. Maya solves her science mission! On Day 1 she loaded 9 rare finds into her unique item kit. On Day 2 she loaded 8 more rare finds. Her kit can hold 20 rare finds. How many spaces are still empty in Maya's kit? Step 1: Add the rare finds. Step 2: Subtract from 20. Show all your work.

Answer: Q8 Step 1: 9 rare finds + 8 rare finds = 17 rare finds loaded in all. Step 2: 20 spaces total - 17 rare finds loaded = 3 empty spaces. Maya's unique item kit has 3 empty spaces left. Mission complete — Maya is a real scientist!

