

Maya's Deep Sea Pearl Hunt

Grade 1

math

underwater

Students will be able to add numbers within 20 using counting on and making ten strategies.

Name: _____

Date: _____

1. Maya dives down. She spots 2 pearl oysters near a pink rock. She finds 3 more pearl oysters close by. How many pearl oysters did Maya find? $___ + ___ = ___$

2. Maya swims to the coral reef. She sees 4 bright fish hiding in the coral reef. Then 3 more fish join them. How many fish are in the coral reef now? $___ + ___ = ___$

3. Maya finds an old anchor chain on the sea floor. She counts 5 crabs on the left side of the anchor chain. She counts 4 crabs on the right side. How many crabs are on the anchor chain? Show your work. $___ + ___ = ___$

4. Maya reaches the old treasure wreck. Inside she finds 6 pearl oysters on the deck. She finds 5 more pearl oysters below the deck. How many pearl oysters did Maya find at the treasure wreck? Show your work. $___ + ___ = ___$

5. True or false? Maya found 7 pearl oysters near the coral reef. She found 6 more near the anchor chain. Maya found 14 pearl oysters in all. Circle: TRUE or FALSE. Show your work: $___ + ___ = ___$

6. Maya swims back to the coral reef. She already has 8 pearl oysters in her bag. She finds 7 more inside the coral reef. She needs 15 pearl oysters to unlock the treasure wreck chest. Does Maya have enough? Show all your work. $___ + ___ = ___$

7. Maya pulls on the big anchor chain. She counts 9 gold rings on the top part. She counts 9 gold rings on the bottom part. How many gold rings are on the anchor chain in all? Show your work two ways. Way 1: $___ + ___ = ___$ Way 2: $___ + ___ + ___ = ___$

8. Maya opens the treasure wreck chest at last! Inside she finds 3 bags of pearls. The first bag holds 5 pearls. The second bag holds 6 pearls. The third bag holds 5 pearls. How many pearls did Maya bring home from her deep sea hunt? Show every step. Step 1: $___ + ___ = ___$ Step 2: $___ + ___ = ___$

Answer Key: Maya's Deep Sea Pearl Hunt

GRADE 1 | TEACHER & PARENT USE ONLY

Before Q6, ask students: 'If Maya found 7 pearls at the coral reef and 8 at the anchor chain, could she reach 17 total?' — this previews the make-ten bridge strategy students practice in Q6 and Q7.

1. Maya dives down. She spots 2 pearl oysters near a pink rock. She finds 3 more pearl oysters close by. How many pearl oysters did Maya find? $__ + __ = __$

Answer: Q1: 2 pearl oysters + 3 pearl oysters = 5 pearl oysters. Maya found 5 pearl oysters.

2. Maya swims to the coral reef. She sees 4 bright fish hiding in the coral reef. Then 3 more fish join them. How many fish are in the coral reef now? $__ + __ = __$

Answer: Q2: 4 fish + 3 fish = 7 fish. There are 7 fish in the coral reef.

3. Maya finds an old anchor chain on the sea floor. She counts 5 crabs on the left side of the anchor chain. She counts 4 crabs on the right side. How many crabs are on the anchor chain? Show your work. $__ + __ = __$

Answer: Q3: 5 crabs + 4 crabs = 9 crabs. Maya counted 9 crabs on the anchor chain.

4. Maya reaches the old treasure wreck. Inside she finds 6 pearl oysters on the deck. She finds 5 more pearl oysters below the deck. How many pearl oysters did Maya find at the treasure wreck? Show your work. $__ + __ = __$

Answer: Q4: 6 pearl oysters + 5 pearl oysters = 11 pearl oysters. Maya found 11 pearl oysters at the treasure wreck.

5. True or false? Maya found 7 pearl oysters near the coral reef. She found 6 more near the anchor chain. Maya found 14 pearl oysters in all. Circle: TRUE or FALSE. Show your work: $__ + __ = __$

Answer: Q5: 7 pearl oysters + 6 pearl oysters = 13 pearl oysters. 13 does not equal 14. The answer is FALSE. Maya found 13 pearl oysters, not 14.

6. Maya swims back to the coral reef. She already has 8 pearl oysters in her bag. She finds 7 more inside the coral reef. She needs 15 pearl oysters to unlock the treasure wreck chest. Does Maya have enough? Show all your work. $__ + __ = __$

Answer: Q6: 8 pearl oysters + 7 pearl oysters. Make ten: $8 + 2 = 10$, then $10 + 5 = 15$. $8 + 7 = 15$ pearl oysters. Maya has exactly 15. Yes, she has enough to unlock the chest!

7. Maya pulls on the big anchor chain. She counts 9 gold rings on the top part. She counts 9 gold rings on the bottom part. How many gold rings are on the anchor chain in all? Show your work two ways. Way 1: $__ + __ = __$ Way 2: $__ + __ + __ = __$

Answer: Q7: Way 1: 9 gold rings + 9 gold rings = 18 gold rings. Way 2: Make ten — $9 + 1 = 10$, then $10 + 8 = 18$, so $9 + 1 + 8 = 18$ gold rings. Maya found 18 gold rings on the anchor chain.

8. Maya opens the treasure wreck chest at last! Inside she finds 3 bags of pearls. The first bag holds 5 pearls. The second bag holds 6 pearls. The third bag holds 5 pearls. How many pearls did Maya bring home from her deep sea hunt? Show every step. Step 1: $\underline{\quad} + \underline{\quad} = \underline{\quad}$ Step 2: $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Answer: Q8: Step 1: First bag + second bag = 5 pearls + 6 pearls = 11 pearls. Step 2: 11 pearls + 5 pearls from third bag = 16 pearls. Maya brought home 16 pearls! Her deep sea pearl hunt is a success.