Maths Mastery Under the Sea

Number Bonds within 20 Challenge Cards

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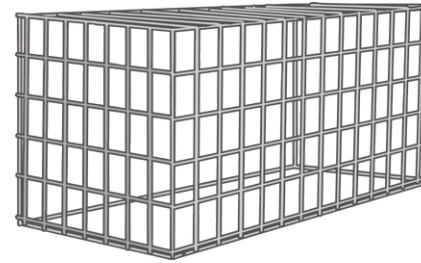
1. What can you see?

How do you know?

Use cubes to explore how many different ways you could place the lobsters in each pot.

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2. What can you see?

How do you know?

Draw a picture to show another way that the mermaids could sit on the rocks.
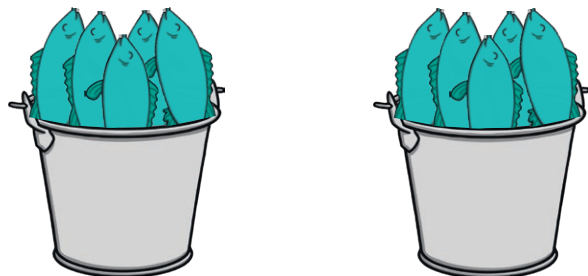
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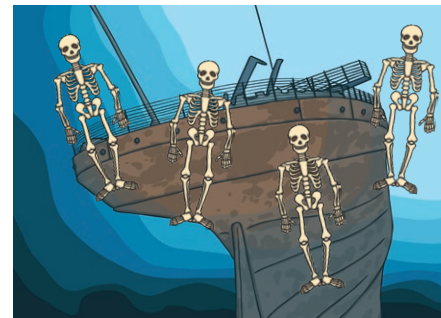
3. What can you see?

How do you know?

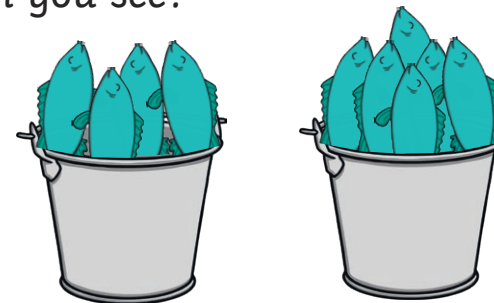Draw a picture or use cubes to prove it to a friend.

4. What can you see?

How do you know?

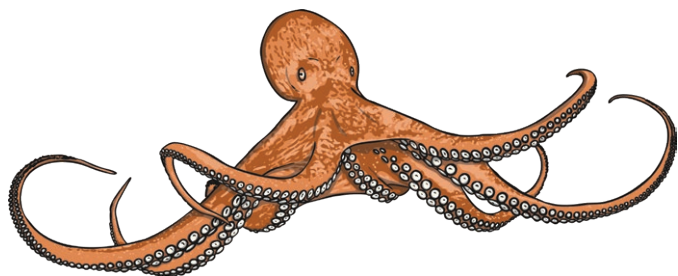Write a number sentence to show what you can see. Show it to a friend and explain your strategy.

5. What can you see?

How do you know?

How else could you share the fish between the two buckets? Can you find all the ways? Prove it to a friend. Use cubes, drawings or number sentences to help you.

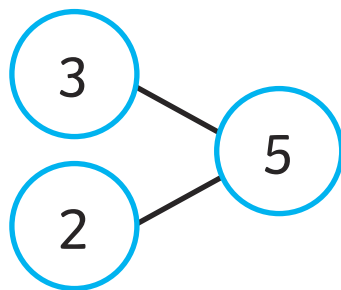6. Think of story to tell your friend about 10 creatures living under the sea.

Ask your friend to represent your story with drawings, cubes or number sentences.

7. Think of story to tell your friend about 5 creatures living under the sea.

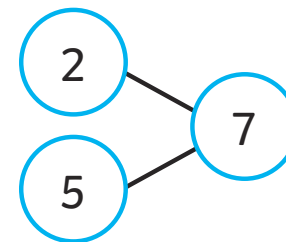Ask your friend to represent your story with drawings or cubes.

3

5

2

What can you see? Use a whole sentence to explain your thinking. Can you add some number shapes to make the number 15?

What is the fewest number shapes you can use?

2

7

5

What can you see? Use a whole sentence to explain your thinking.

Can you add some number shapes to make the number 17?

How did you work it out?

Maths Mastery Number Bonds within 20 Challenge Cards Answers

1. 5 in one and 0 in the other, 4 in one and 1 in the other, 3 in one and 2 in the other.

2. It could be any of the following ways: 6 on one rock and 0 on the other, 4 on one rock and 2 on the other, 3 on each rock.

3. There are 4 and 6 pirates, making 10 altogether.

4. 5 + 5 = 10

5. 10 + 0 = 10, 1 + 9 = 10, 8 + 2 = 10, 7 + 3 = 10, 5 + 5 = 10

Maths Mastery Number Bonds within 20 Challenge Cards Answers

6. This could be any number bond to 10. 10 + 0 = 10, 9 + 1 = 10, 8 + 2 = 10, 7 + 3 = 10, 6 + 4 = 10, 5 + 5 = 10.

7. This could be any number bond to 5. 5 + 0 = 5, 4 + 1 = 4, 3 + 2 = 5.

8. They could add a 10 number shape.

9. They could add a 10 number shape.