

Crab Legs

Did You Know? Some animals have 8, 10, 30, or even 600 legs. Shrimp and crabs have 10 legs, which help them easily navigate the ocean water and floor. Crabs and shrimp use their legs to help them avoid prey. Animals that have 10 legs are called decapods.



A group of crabs is called a cast. Ms. Zaizar is studying casts of crabs in the science laboratory.

- 1 Ms. Zaizar's laboratory has 4 tanks. In each tank there are 80 crab legs. How many crab legs are there in all of the tanks?

320 crab legs

- 2 Explain how Ms. Zaizar can represent this problem on an open number line.

Sample answer: Ms. Zaizar can use an open number line to show 4 jumps of 80.

- 3 How many crabs are in each tank? Explain.

8 crabs; Sample answer: There are 80 crab legs in a tank. Each crab has 10 legs; $80 \div 10 = 8$.

- 4 **Extension** Ms. Zaizar acquires 2 more tanks with 8 crabs in each tank. Write equations to find the number of crab legs in all of the tanks.

480 crab legs; Sample answer: $2 \times 80 = 160$;

$320 + 160 = 480$

