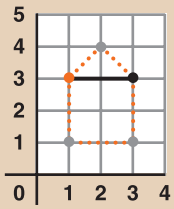
COORDINATED DOLPHINS

You can make a picture by marking points on a graph and drawing lines between the points. That's how we made the picture of a house on the right. We used the list of ordered pairs of numbers at right beginning with **(1,3)** to make the house.

First, we marked the point for **(1,3)**. We found the 1 across the bottom of the graph and the 3 along the side. Then, we found the point where the two numbers cross. We made a dot there. Then, we found the point for **(3,3)** and marked it with another dot. Next, we drew a line between the two points. We continued marking and connecting points using the list of paired numbers at right (see **House**). Can you find all the points and connect them to complete the house?

Now try the Main Project below. If you find and connect the 21 points, you will create a special picture. We have started the puzzle for you by marking the first two points **(0,14)** and **(2,13)** and connecting them with a line. Use blue ink to complete the puzzle.



House

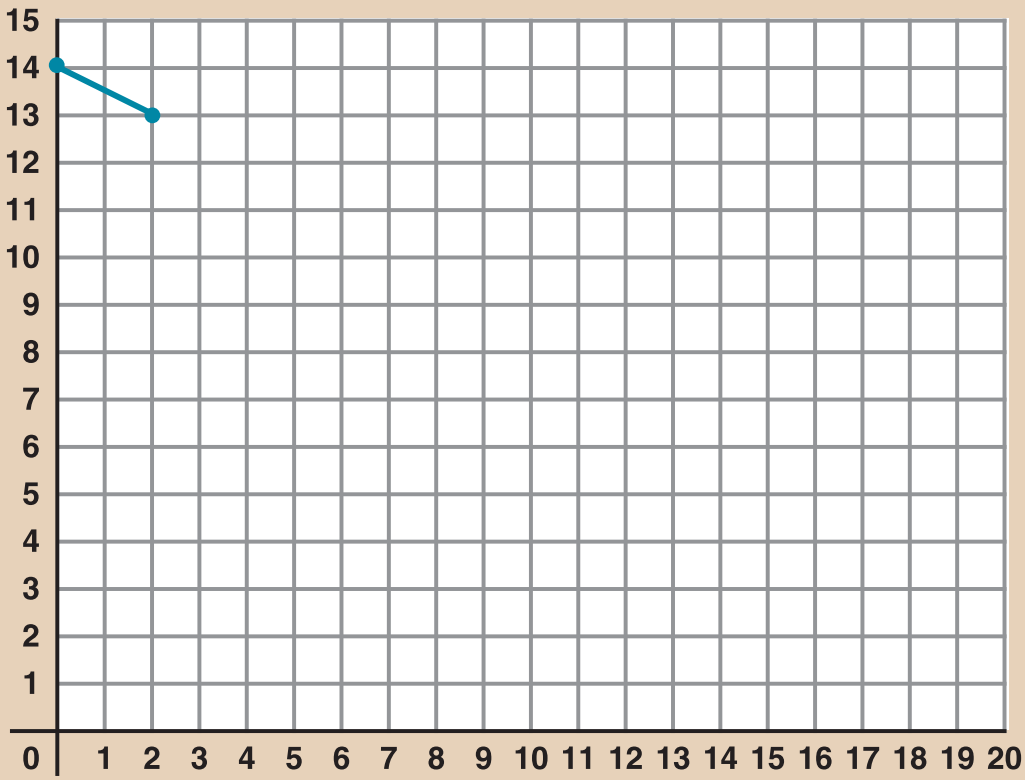
1. (1,3)
2. (3,3)
3. (3,1)
4. (1,1)
5. (1,3)
6. (2,4)
7. (3,3)

Main Project

1. (0,14)
2. (2,13)
3. (6,13)
4. (9,12)
5. (11,11)
6. (12,10)
7. (17,11)
8. (18,10)
9. (15,8)
10. (12,7)
11. (7,5)
12. (15,7)
13. (17,8)
14. (18,9)
15. (19,9)
16. (19,8)
17. (18,7)
18. (16,6)
19. (13,5)
20. (8,3)
21. (1,0)



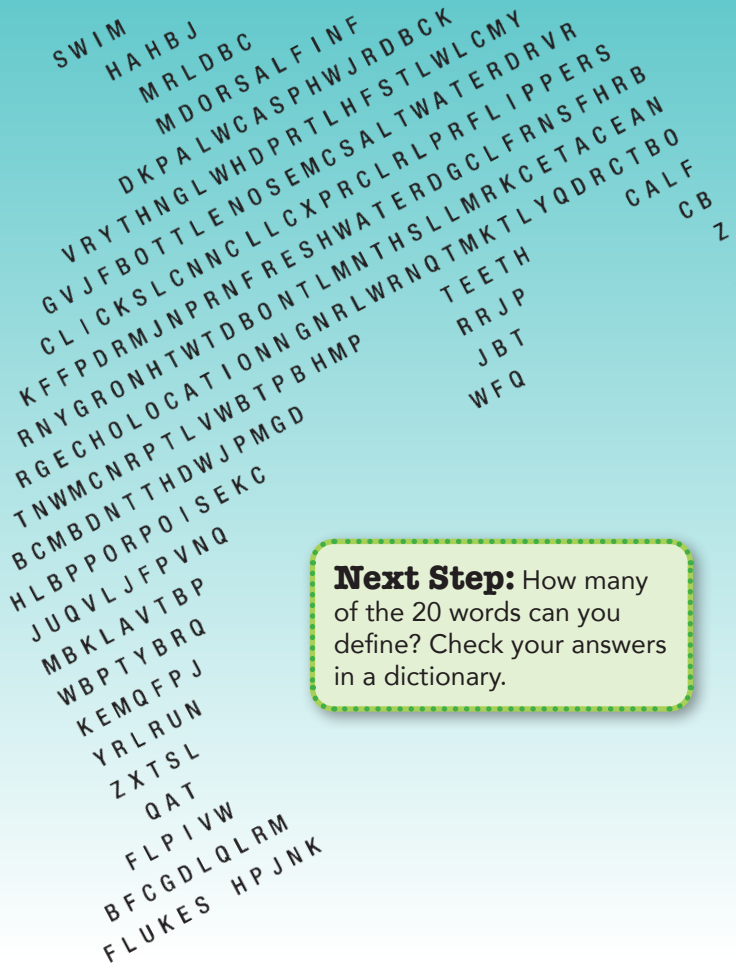
Add an eye at (6, 6).



Credits: Created and Designed by Carol Prime; Additional Design and Production by Shawn Biner

Dolphin Word Search

There are 20 words related to dolphins and porpoises hidden in this word search. How many of them can you find? Words go across and up and down.



Word Bank

blowhole	flukes
blubber	freshwater
bottlenose	mammal
calf	playful
cetacean	porpoise
clicks	saltwater
dolphin	swim
dorsal fin	tail
echolocation	teeth
flippers	whale

Next Step: How many of the 20 words can you define? Check your answers in a dictionary.

Pin a Dolphin on a Friend!

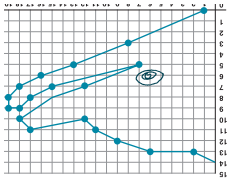
Make a dolphin pin to share or to wear yourself!

You will need: scratch paper; thin, white cardboard (such as an index card); crayons; a safety pin; masking tape; a paintbrush; and white glue.

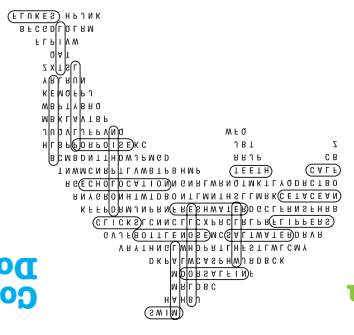
1. Sketch dolphin shapes on a piece of scratch paper. Make your dolphins about 3 inches long. When you create one that you like, cut it out. Then, trace an exact copy of it on a piece of thin, white cardboard and cut it out.
2. Color the front of your dolphin with crayon. Then, use a piece of masking tape to attach a safety pin to the back of your dolphin. Spread white glue over the entire back, covering all the masking tape but not the safety pin. Let this dry overnight.
3. The next day, spread white glue over the front of your dolphin pin. Let it dry overnight. The glue will be clear when it dries. To make your pin shinier, add more glue layers. Be sure to let the glue dry between each layer.



Answers



Coordinated Dolphins



Dolphin Word Search