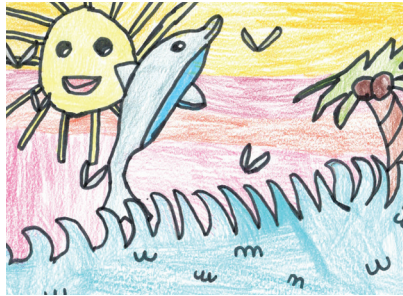
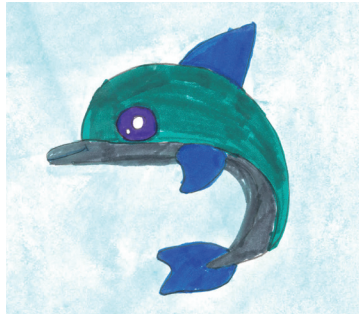


DOLPHINS AND PORPOISES

Zooworks®



Kyla Mohan, age 8

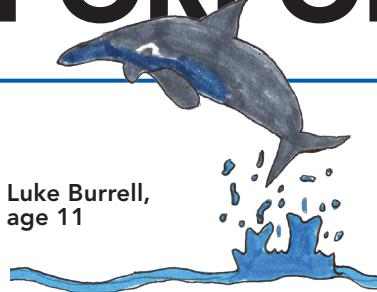


Riley Todd, age 10



Roman Cole, age 7

Luke Burrell,
age 11

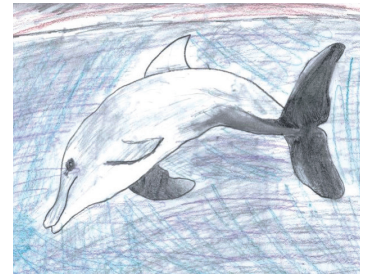


Dolphins are cool,
 They lead with pride.
 Their tails move up and down,
 Not side to side.
 They live in the ocean,
 So wide and blue.
 But sometimes it could be a problem,
 If you knew.
 People use nets to fish,
 And they could get stuck.
 But people are helping,
 So let's keep it up!

Cora Dooley,
age 9



Evelyn Marvel,
age 6



Brady Foust, age 10



Rowen Coalwell, age 9



Kathleen Iannuzzi, age 8

Don't kill dolphins
 Others are super cool
 Love them
 Protect them
 Humans should treat them nice
 I like them
 Not allowed to hunt them
 Should be kept safe.

Ethan Eliason, age 10



Visit us at
rangerrick.org

for
 even more
 fun!

Look for Activity Pages Online!

Visit rangerrick.org/ZBactivities to find fun dolphin activities to print or download.

Plus at rangerrick.org you'll find:

- Interactive games
- 50 pictures, poems and stories from kids like you
- Animal videos

Would you like to see your work published in **Ranger Rick Zoobooks**?

Here's what to do: Go to www.rangerrick.org/zooworks for rules and deadlines.



We want to see your original poem, story, or drawing by April 6, 2022 for "Old World Monkeys."

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.

See answers below

SWIM
 HAHBJ
 MRLDBC
 MDORSALFINF
 DKPALWCASPHWJRD BCK
 VRYTHNGLWHDPRTLHFSTLWLCMY
 GVVJFBOTTLENOSEMCSALTWATERDRVR
 CLICKSLCENNCLLCXPRCLRLPRFLIPPERS
 KFFPDRMJNPRNFRESHWATERDGLFRNSFHRB
 RNYGRONHTWTDBONTLMNTHSLMRKCETACEAN
 RGECHOLOCATIONGNRLWRNQTMTKTYQDRCTBO
 TNNWMCNRPTLVWBTPBHMP
 BCMBDNTHDWJPMGD
 HLBPPORPOISEK
 JUQVLJFPVNG
 MBKLAVTBP
 WBPTYBRQ
 KEMQFPJ
 YLRLUN
 ZXTSL
 QAT
 FLPIVW
 BFCGDLQLRM
 FLUKES HPJNK

OFF THE WALL

Dolphins have appeared in works of art for centuries. A famous mural on the Greek island of Crete was created over 3,000 years ago. Try making your own dolphin mural. Use paint, crayon, or felt pen to create a wall-sized picture on butcher paper.

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

A-Mazing Dolphins

Help the two divers swim through the maze of dolphins. Show them a path that will take them back to their boat.

Pin a Dolphin on a Friend!

You can create a dolphin pin to give to someone you know. (Make an extra one to wear yourself.) Follow the directions below. **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.
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.



TRACE



COLOR



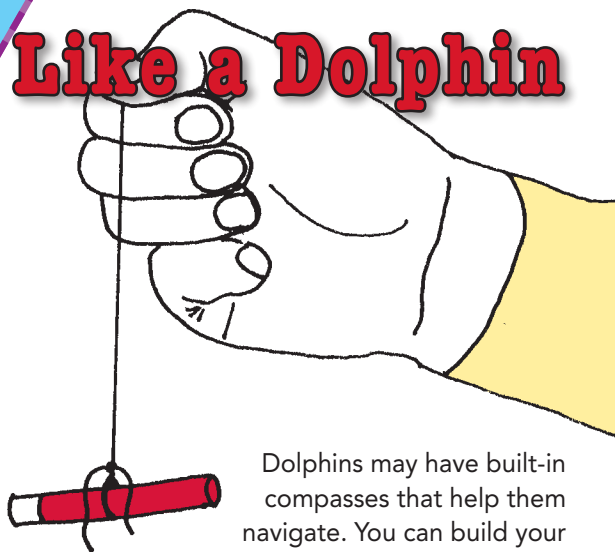
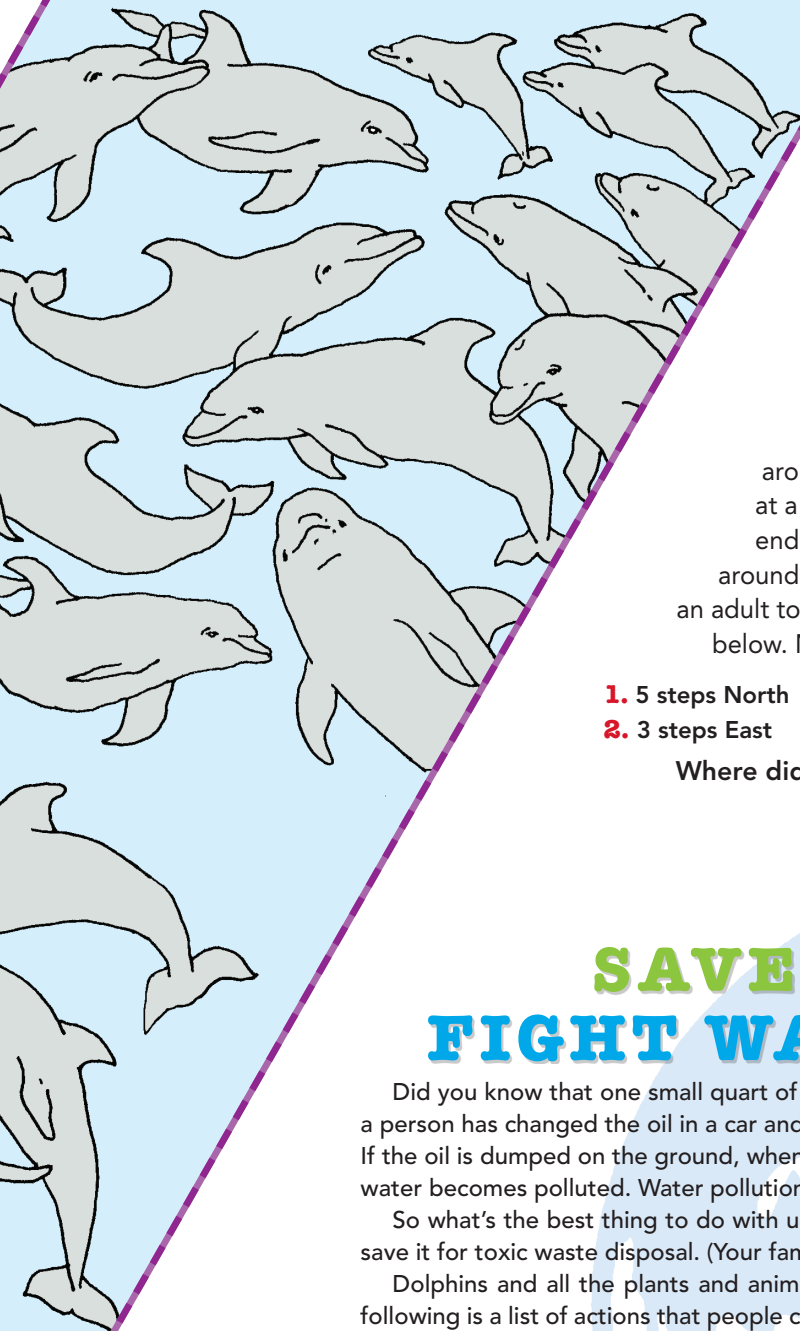
SPREAD GLUE



WEAR



Navigate Like a Dolphin



Dolphins may have built-in compasses that help them navigate. You can build your own compass. First, tie a string around the middle of a bar magnet. (You can find a bar magnet at a hardware store.) Let the magnet hang from the string. One end of the magnet will point to the North. Place a piece of tape around this end. (If you are unsure which end is pointing North, ask an adult to help you.) Use your magnet to navigate through the course below. Mark your starting point on the ground with a piece of tape.

- | | | | |
|-------------------------|------------------------|-------------------------|-------------------------|
| 1. 5 steps North | 3. 1 step North | 5. 4 steps South | 7. 2 steps South |
| 2. 3 steps East | 4. 6 steps West | 6. 2 steps East | 8. 1 step East |

Where did you end up? Now plot a course of your own to follow.

SAVE THE EARTH: FIGHT WATER POLLUTION

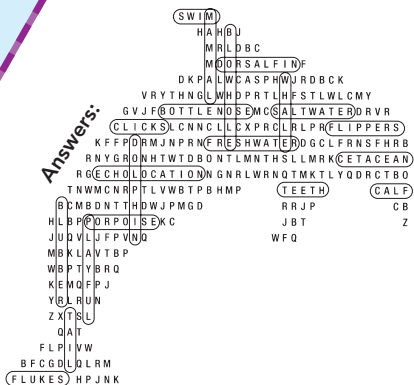
Did you know that one small quart of motor oil can pollute 1 million gallons of water? Imagine that a person has changed the oil in a car and wants to get rid of the dirty oil. What's the best thing to do? If the oil is dumped on the ground, when rain comes the oil will be washed into the ground water. The water becomes polluted. Water pollution can make dolphins and porpoises ill or even die.

So what's the best thing to do with used motor oil? An adult should put it in a tight container and save it for toxic waste disposal. (Your family will want to keep all toxic materials away from children.)

Dolphins and all the plants and animals that live in water deserve a clean, safe place to live. The following is a list of actions that people can take to prevent water pollution. Look at the list. Put a ✓ in front of the actions that you and your family will do to prevent water pollution.

- Dispose of hazardous waste in toxic-waste dumps or collection areas.
- Use white bathroom tissue.
- Don't use the toilet as a wastebasket.
- Don't dump hazardous materials in toilets or down drains.
- Use less detergent.
- Avoid using chlorine bleach.
- Don't litter.
- Avoid using plastic, when possible.
- Cut the loops in plastic six-pack holders before throwing them away.
- Avoid using pesticides.
- Avoid using chemical fertilizers on your lawn.
- Use baking soda in place of cleansers.
- Use vinegar and water as a cleaning solution.
- Ride a bike or walk, when possible.

Answers:

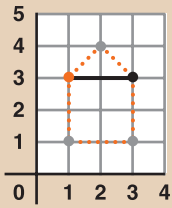


COORDINATED DOLPHINS

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?

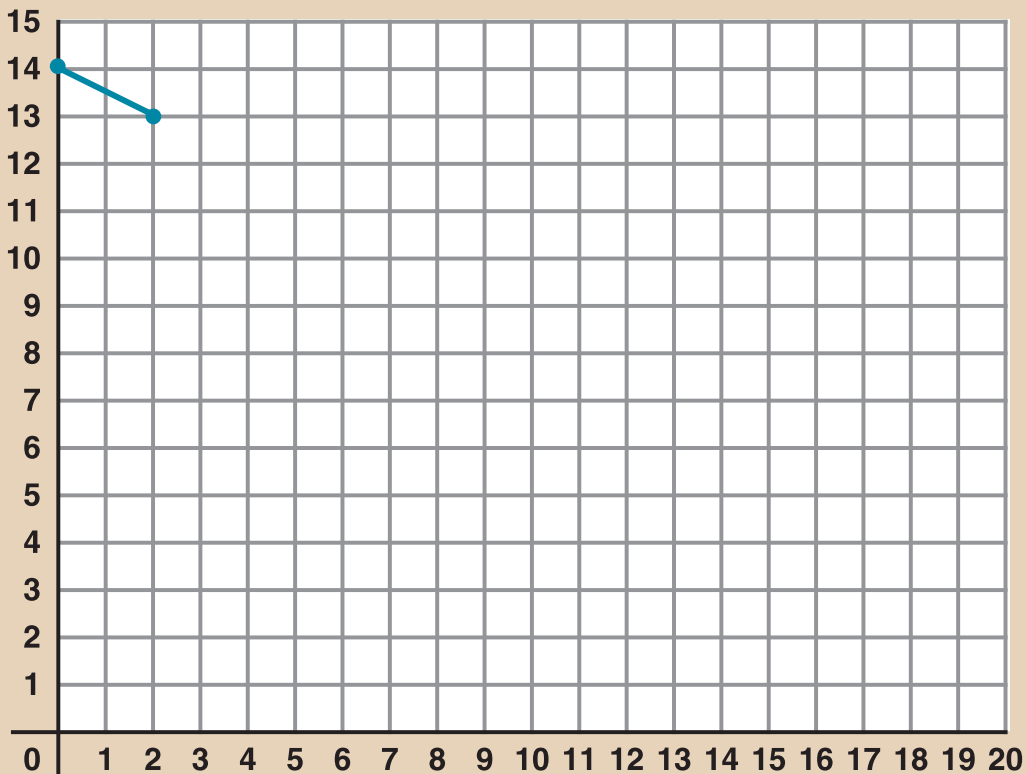
Now try the Main Project below. If you find and connect the 21 points, you will create a special picture. We have started the puzzle for you by marking the first two points **(0,14)** and **(2,13)** and connecting them with a line. Use blue ink to complete the puzzle.



- House**
- | | |
|----------|----------|
| 4. (1,1) | 5. (1,3) |
| 1. (1,3) | 6. (2,4) |
| 2. (3,3) | 7. (3,3) |
| 3. (3,1) | |

Main Project

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



The ideas that you used to make the picture of a dolphin have been used for centuries by mapmakers and navigators. You might want to read more about this interesting subject in *How to Draw Maps and Charts* by Pam Beasant and Alastair Smith (London: Usborne, 1993).

