

# Arctic Adventures with Decimals: Help Our Polar Friends!

Math

Grade 4

Arctic Theme

□ Help the Arctic animals on their icy quests by solving decimal problems that will save their adventures!

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_ / 8

1

Penny the penguin is building an igloo and needs to stack ice blocks. She has 3.5 meters of ice for the base and finds 2.3 more meters of ice nearby. How many meters of ice does Penny have in total to build her igloo?

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2

Benny the bear is sharing fish with his family. He catches 12.7 kilograms of fish on Monday and 8.4 kilograms on Tuesday. How many kilograms of fish did Benny catch over both days?

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3

Stella the seal is racing across the ice floes. She swims 4.6 kilometers in the morning to find food. In the afternoon, she swims 3.8 kilometers back toward her family. How far did Stella swim in total?

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4

Walter the walrus is measuring the thickness of the sea ice. The ice is 5.9 meters thick in one location and 4.2 meters thick in another location. What is the difference in thickness between these two spots?

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5

Polly the puffin is collecting pebbles for her nest. She gathers 6.3 pebbles one day and 7.5 pebbles the next day. How many pebbles has Polly collected altogether?

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6

Arctic the Arctic fox has 9.4 meters of yarn to make a warm blanket. She uses 3.6 meters for the first part. How much yarn does Arctic have left to finish her blanket?

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7

Ollie the otter is diving for treasure under the ice. He finds a route that is 7.2 meters long, but discovers a shortcut that is only 2.5 meters long. How much shorter is the shortcut than the original route?

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8

Fiona the fox kit is tracking animals through the snow. She follows a wolf trail for 5.3 kilometers and then follows a moose trail for 6.8 kilometers. What is the total distance Fiona tracked?

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# Answer Key

Math

Grade 4

For Parents and Teachers

1

Penny the penguin is building an igloo and needs to stack ice blocks. She has 3.5 meters of ice for the base and finds 2.3 more meters of ice nearby. How many meters of ice does Penny have in total to build her igloo?

ANSWER

**5.8 meters**

2

Benny the bear is sharing fish with his family. He catches 12.7 kilograms of fish on Monday and 8.4 kilograms on Tuesday. How many kilograms of fish did Benny catch over both days?

ANSWER

**21.1 kilograms**

3

Stella the seal is racing across the ice floes. She swims 4.6 kilometers in the morning to find food. In the afternoon, she swims 3.8 kilometers back toward her family. How far did Stella swim in total?

ANSWER

**8.4 kilometers**

4

Walter the walrus is measuring the thickness of the sea ice. The ice is 5.9 meters thick in one location and 4.2 meters thick in another location. What is the difference in thickness between these two spots?

ANSWER

**1.7 meters**

5

Polly the puffin is collecting pebbles for her nest. She gathers 6.3 pebbles one day and 7.5 pebbles the next day. How many pebbles has Polly collected altogether?

ANSWER

**13.8 pebbles**

6

Arctic the Arctic fox has 9.4 meters of yarn to make a warm blanket. She uses 3.6 meters for the first part. How much yarn does Arctic have left to finish her blanket?

ANSWER

**5.8 meters**

7

Ollie the otter is diving for treasure under the ice. He finds a route that is 7.2 meters long, but discovers a shortcut that is only 2.5 meters long. How much shorter is the shortcut than the original route?

ANSWER

**4.7 meters**

8

Fiona the fox kit is tracking animals through the snow. She follows a wolf trail for 5.3 kilometers and then follows a moose trail for 6.8 kilometers. What is the total distance Fiona tracked?

ANSWER

**12.1 kilometers**