



FUN GEOMETRY
Book I



ANIMAL RESERVE

- Each Problem has its own Video Tutorial!
- Students solve "real-world" area problems!
- Warning - My problems are more fun than real.

Handwritten math for the mountain scene:

$$\begin{array}{r} 24 \\ + 7\frac{1}{2} \\ \hline 31\frac{1}{2} \text{ miles}^2 \end{array}$$

Handwritten area formulas for the mountain scene:

$$A = \frac{bh}{2}$$

$$A = \frac{5 \cdot 3}{2}$$

$$A = \frac{15}{2}$$

$$A = 7\frac{1}{2} \text{ miles}^2$$

Labels: 7 Miles, 5 miles, 5 M I L E S

Handwritten area formulas for the forest scene:

$$A = bh$$

$$A = 12 \times 2$$

$$A = 24 \text{ miles}^2$$

Label: 12 Miles

Text at the bottom of the lake scene:

THIS IS A
WATCH ME PROBLEM
CLICK HERE TO WATCH & THEN COPY THIS
PROBLEM



ANIMAL RESERVE



HOW TO USE THIS BOOK

Teachers

- Upload this PDF into your Google Classroom and use individually or in centers.

Students

- Complete each problem.
- Correct your own work, while watching the video tutorials.
- After correcting your work, take your paper to your teacher for a final check.

ANIMAL RESERVE

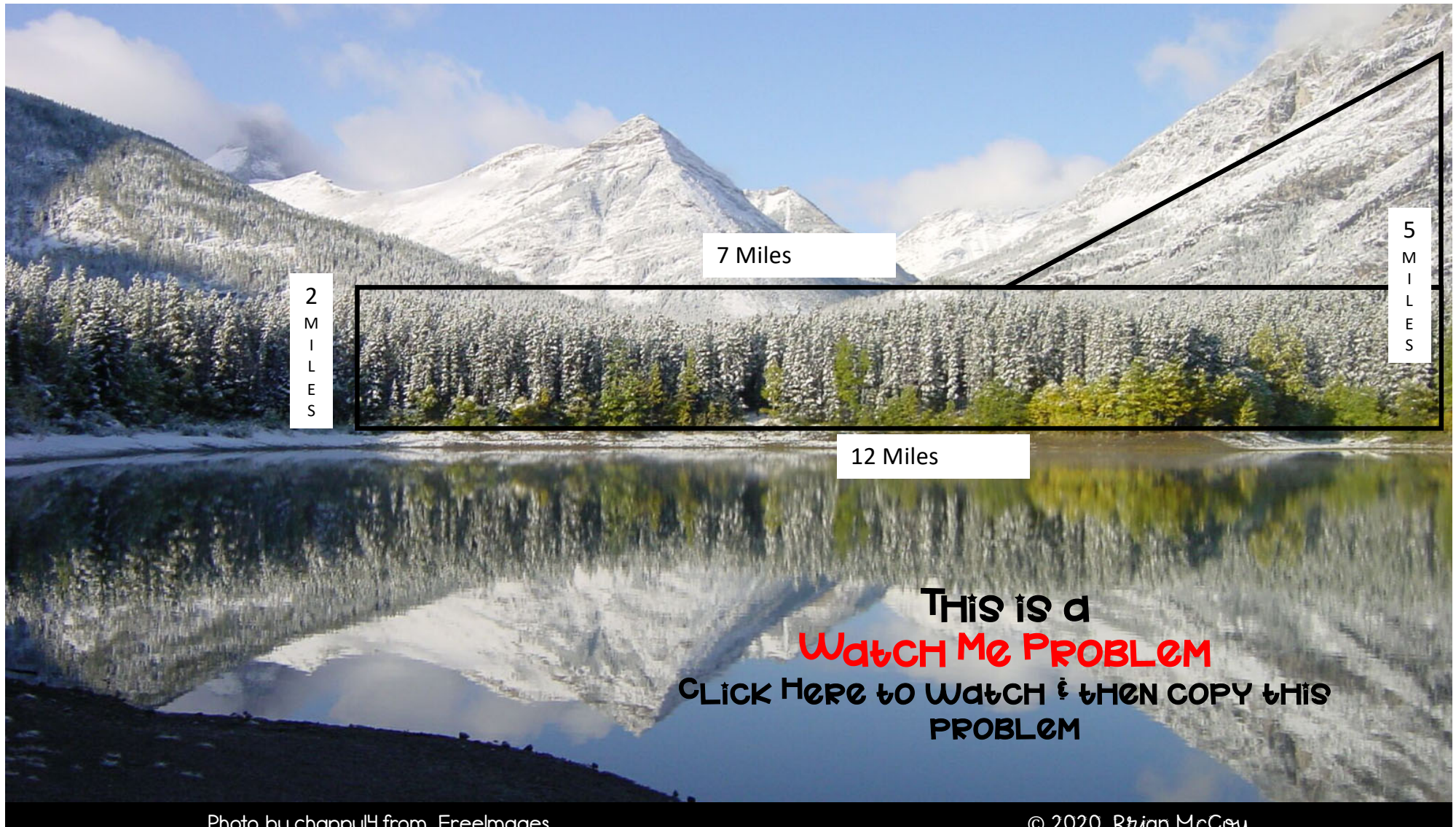
BOOK 1

CHALLENGE 1

You are trying to protect a family of moose. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square miles is this animal reserve?



ANIMAL RESERVE

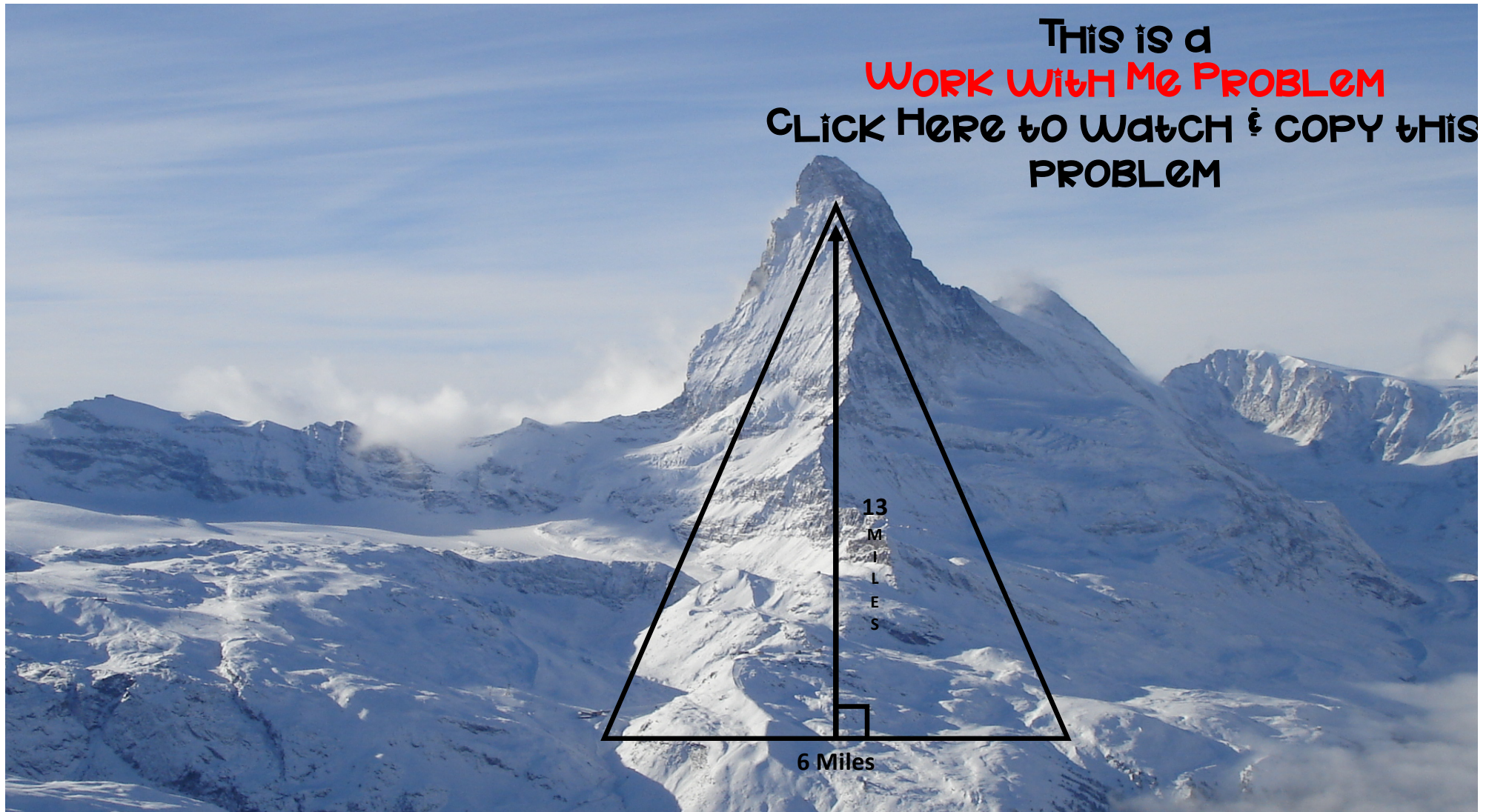
BOOK 1

CHALLENGE 2

You are trying to protect a family of bighorn sheep. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square miles is this animal reserve?



ANIMAL RESERVE

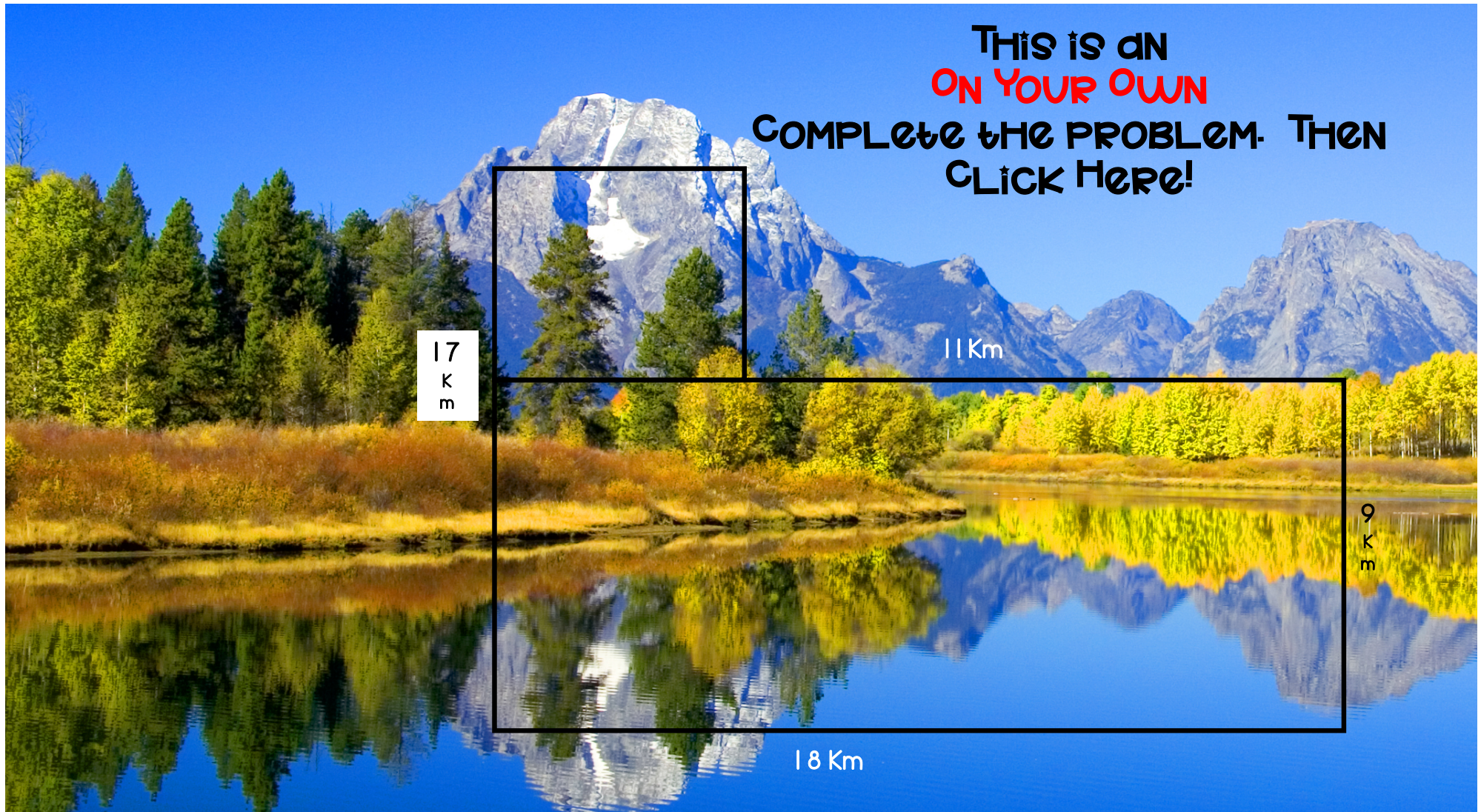
BOOK 1

CHALLENGE 3

You are trying to protect a family of Canadian Geese. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?



ANIMAL RESERVE

BOOK 1

CHALLENGE 4

You are trying to protect a family of ants. Their home is in the triangular area by this tree. In order to protect this animal reserve, you must solve for the area of their home.

- The base is 15 yards
- The height is 7 yards

How many square yards is this animal reserve?



**THIS IS AN
ON YOUR OWN
COMPLETE THE PROBLEM. THEN
CLICK HERE!**

ANIMAL RESERVE

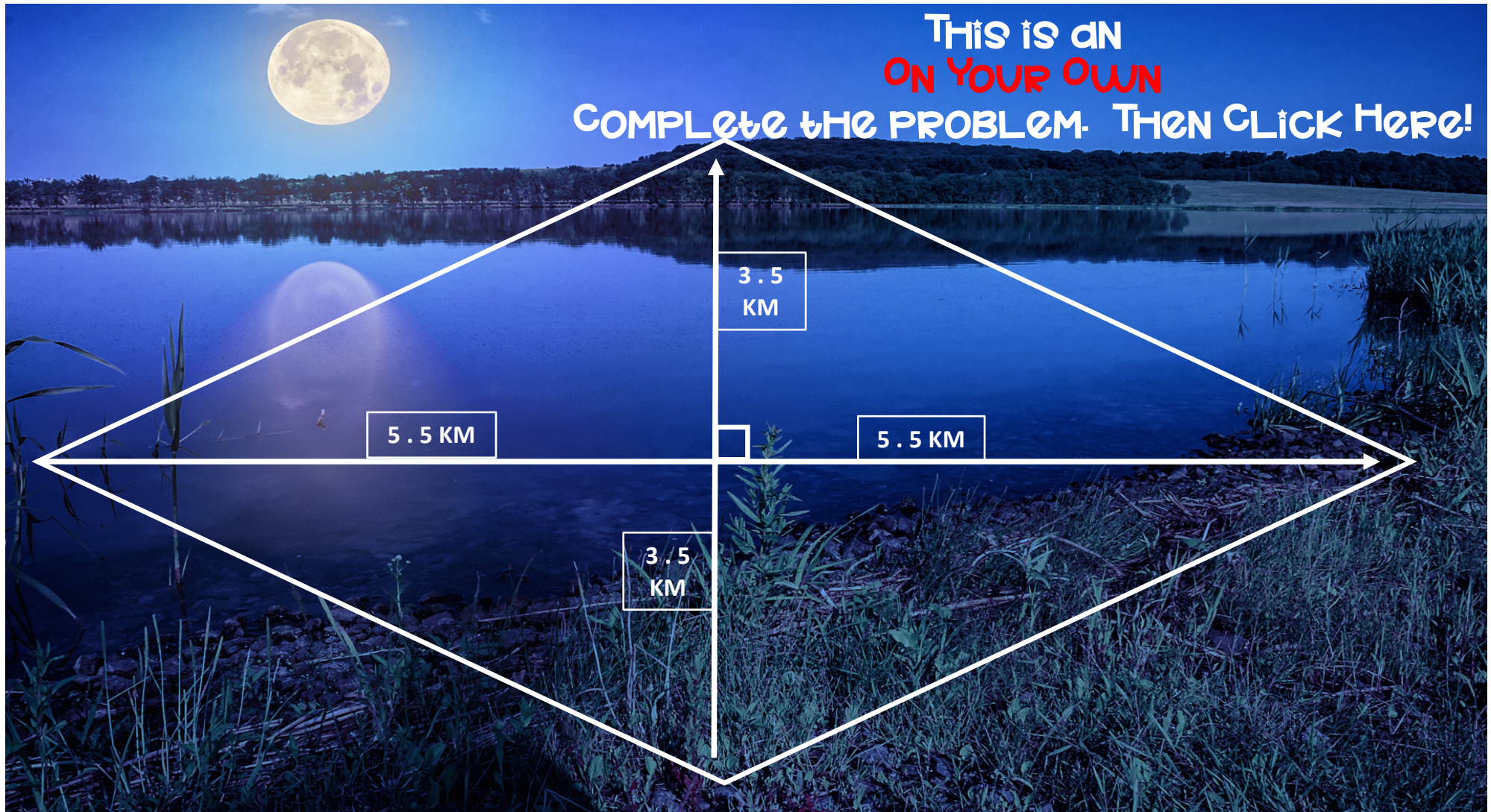
BOOK 1

CHALLENGE 5

You are trying to protect a family of mallard ducks. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?



ANIMAL RESERVE

BOOK 1

CHALLENGE 6

You are trying to protect a family of beavers. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square miles is this animal reserve?



ANIMAL RESERVE

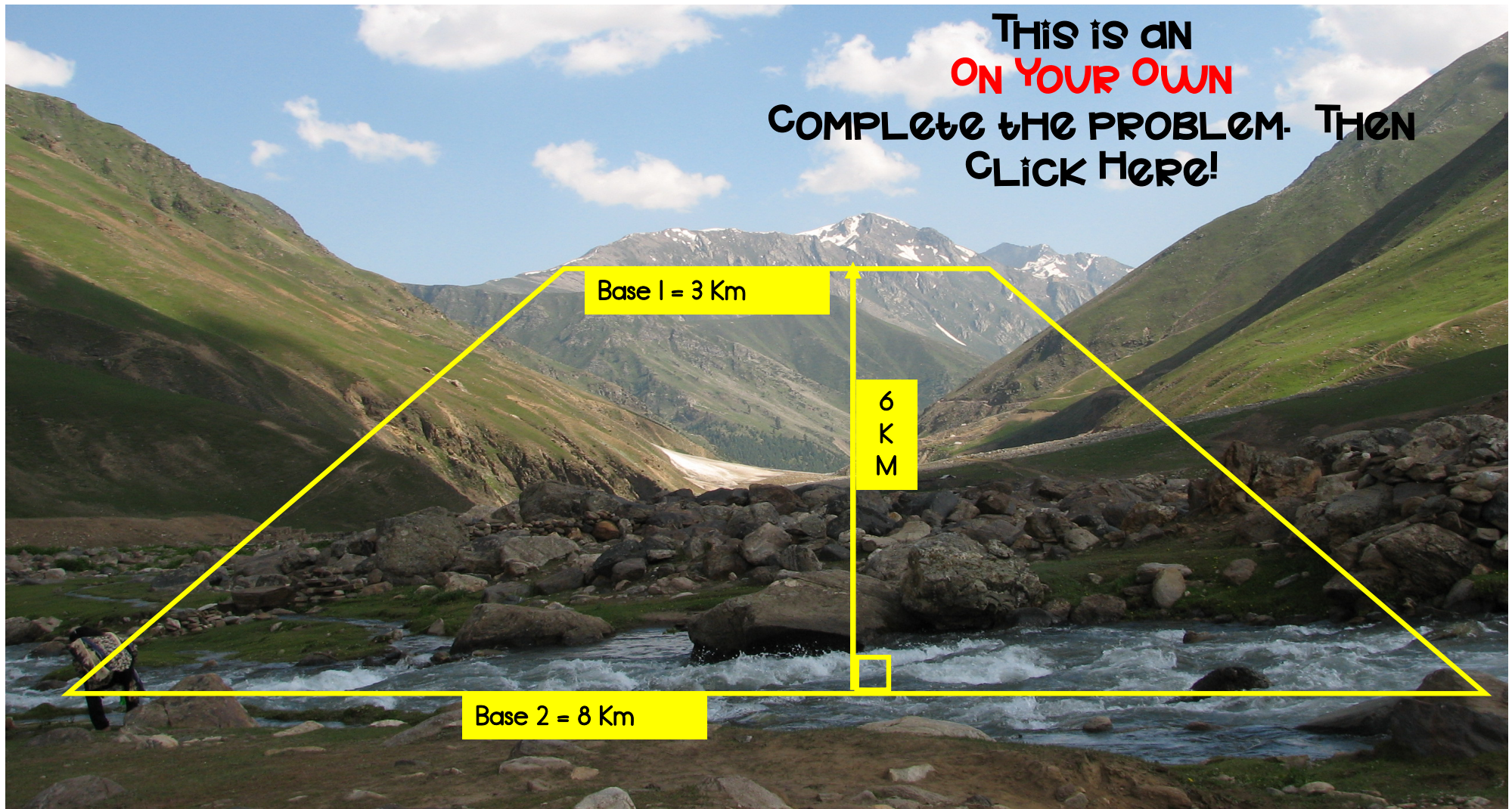
BOOK 1

CHALLENGE 7

You are trying to protect a family of bald eagles. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?



ANIMAL RESERVE

BOOK 1

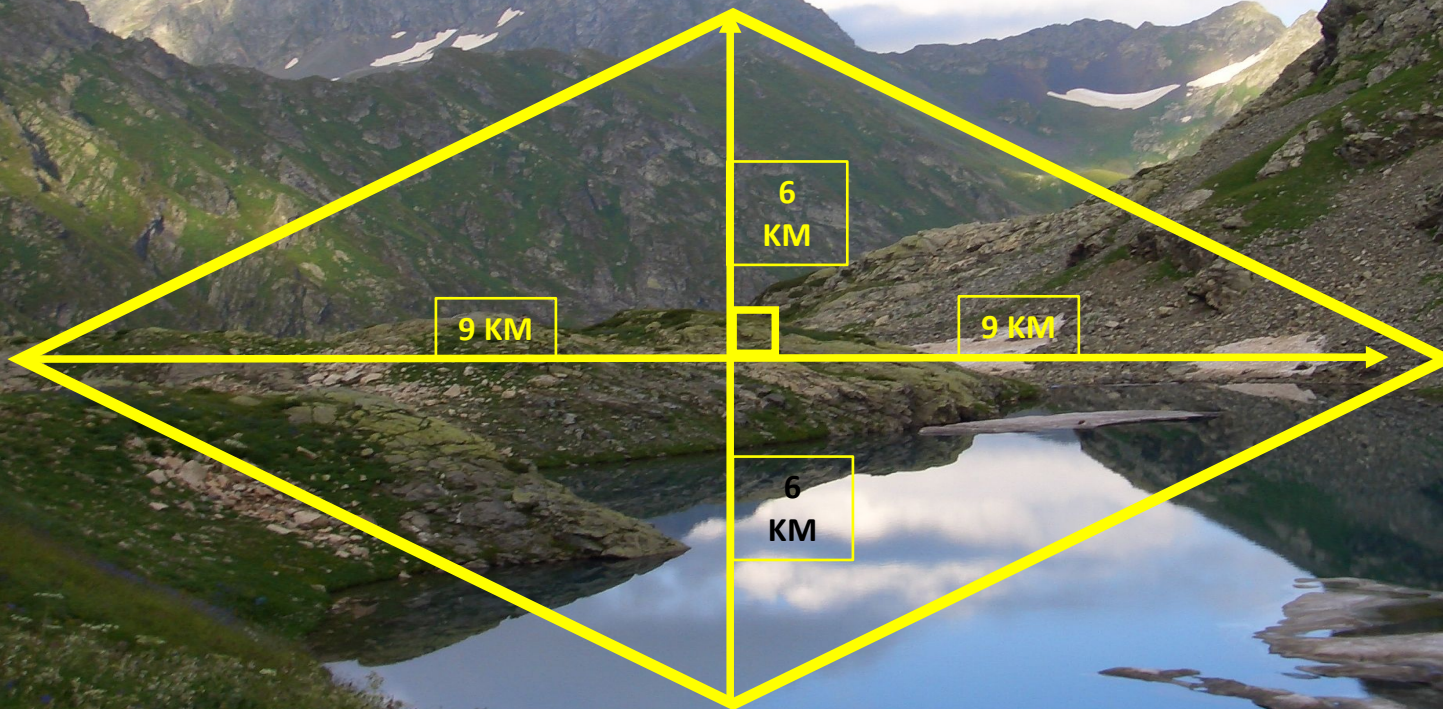
CHALLENGE 8

You are trying to protect a family of mountain lions. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?

THIS IS AN
ON YOUR OWN
COMPLETE THE PROBLEM. THEN CLICK HERE!



ANIMAL RESERVE

BOOK 1

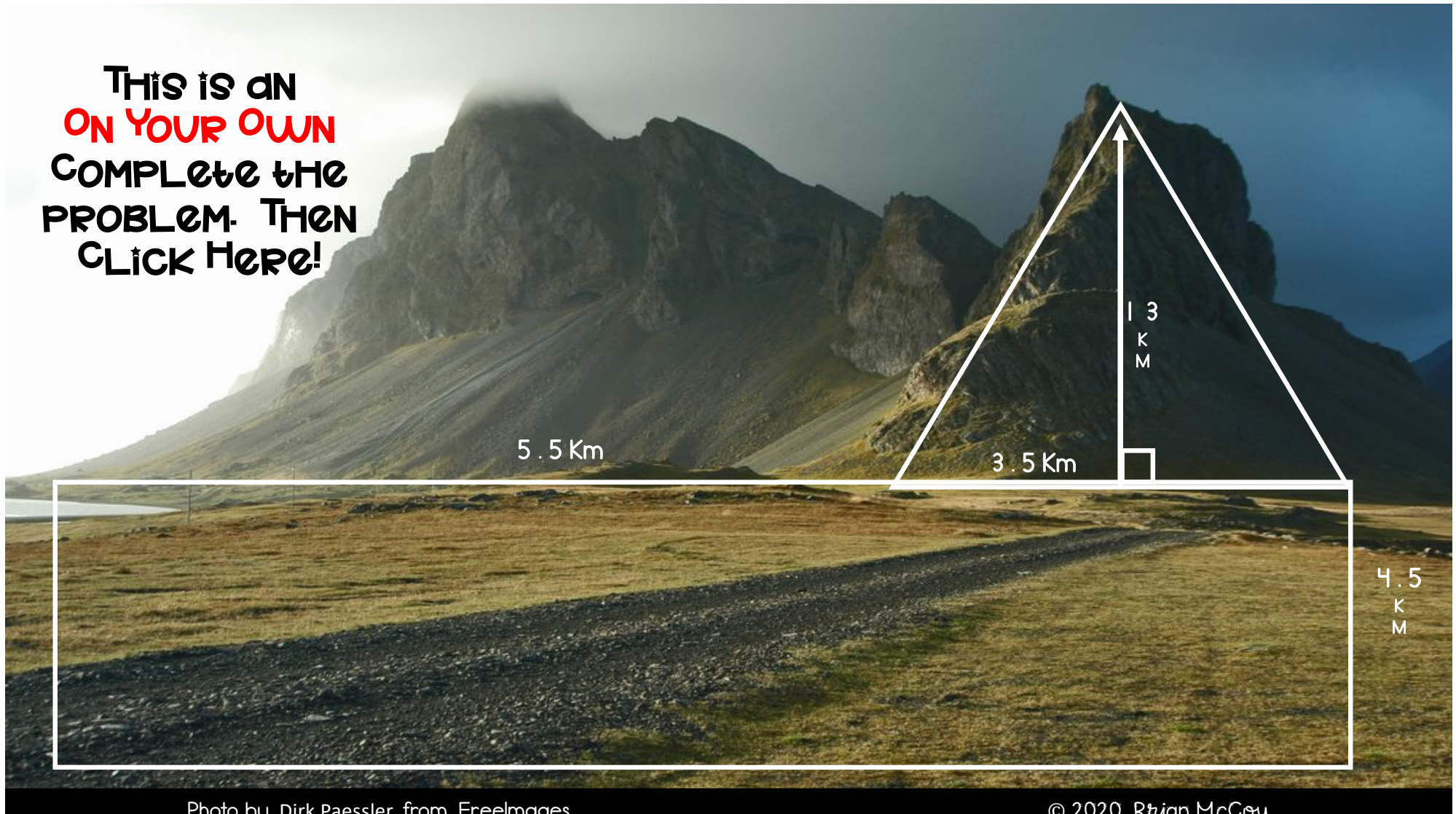
CHALLENGE 9

You are trying to protect a family of pronghorn sheep. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?

**THIS IS AN
ON YOUR OWN
COMPLETE THE
PROBLEM. THEN
CLICK HERE!**



ANIMAL RESERVE

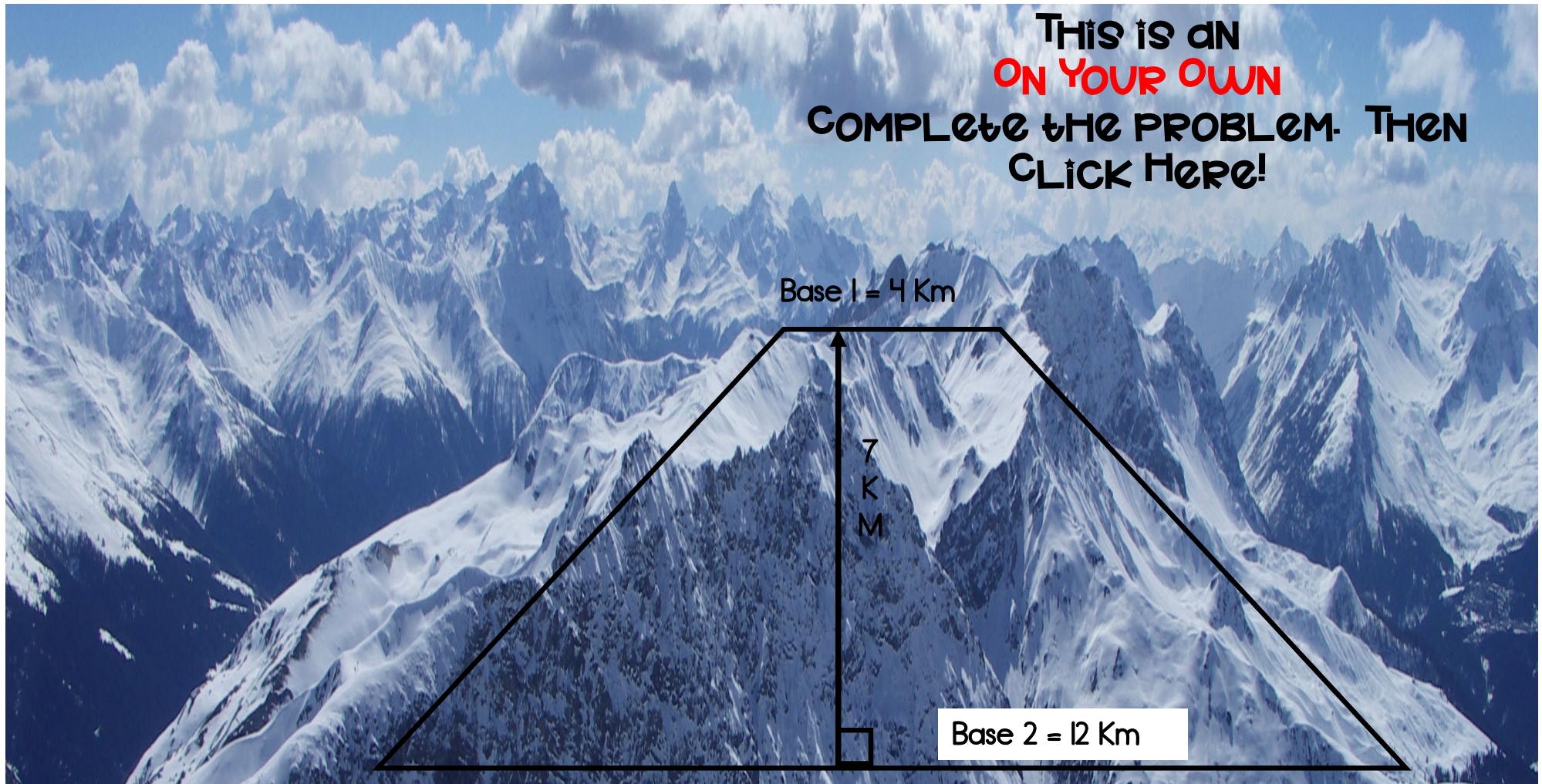
BOOK 1

CHALLENGE 10

You are trying to protect a family of hibernating grizzly bears. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square kilometers is this animal reserve?



ANIMAL RESERVE

BOOK I

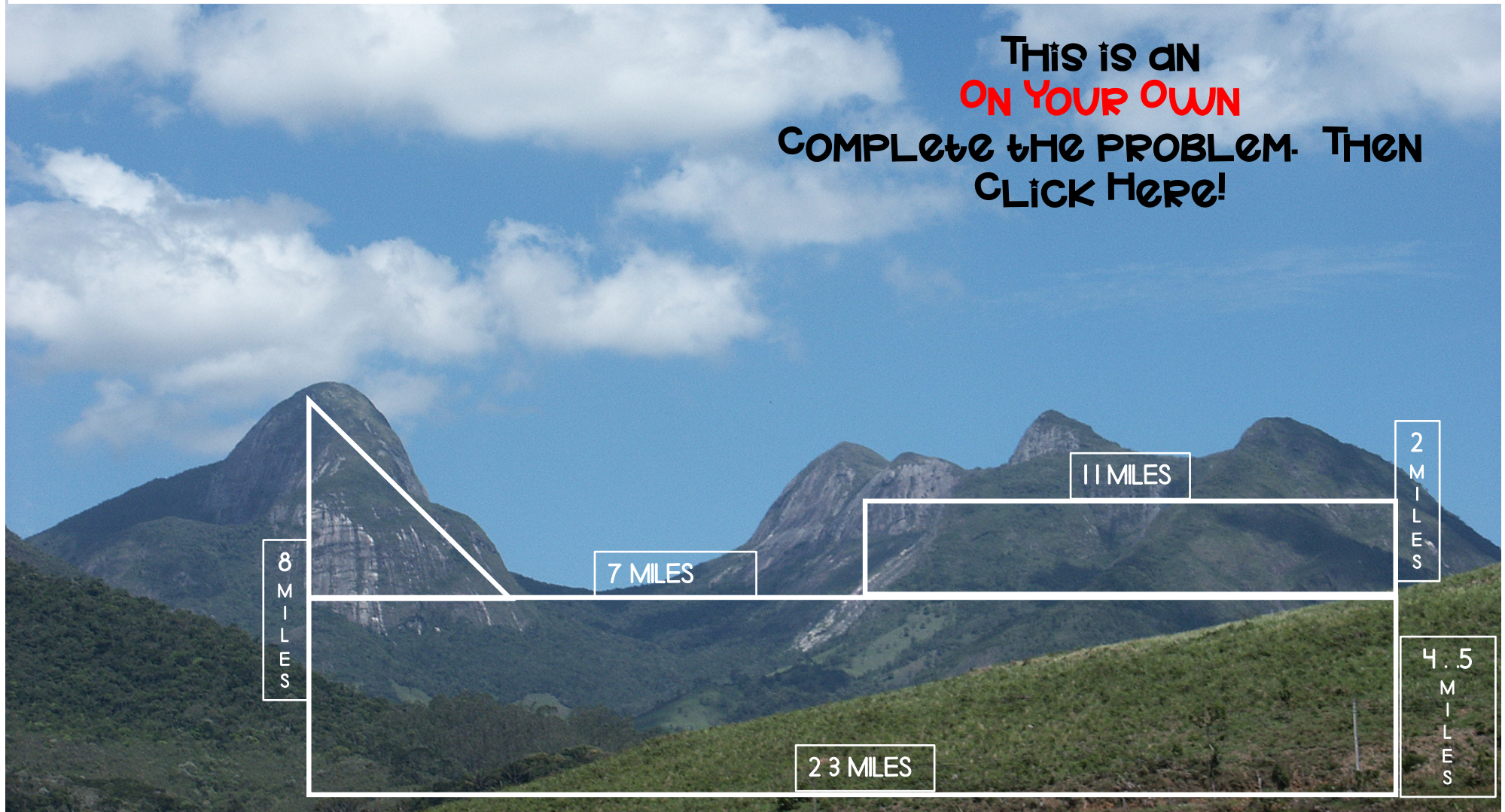
CHALLENGE II

You are trying to protect a family of wolves. Their home is in the polygon shown below. In order to protect this animal reserve, you must solve for the area of their home.

- See the measurements below.

How many square miles is this animal reserve?

THIS IS AN
ON YOUR OWN
COMPLETE THE PROBLEM. THEN
CLICK HERE!



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