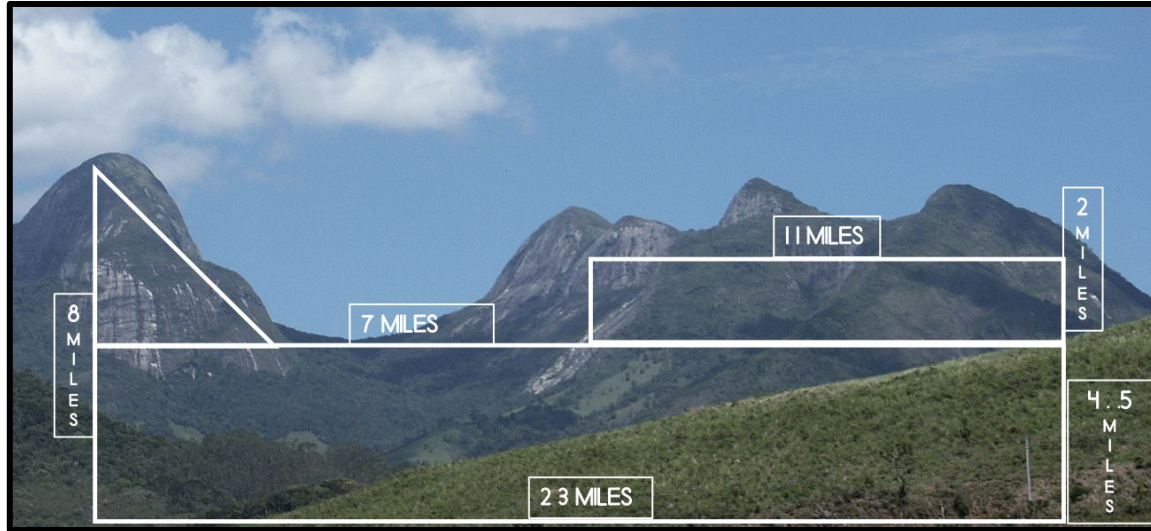


Animal Reserve: Area of Polygons

Book 1



TeachersDungeon.com



TeachersDungeon.com



FUN WORD PROBLEMS
DESIGNED SO THAT ANYONE CAN SUCCEED!

WATCH ME

Area of Polygons - Challenge 1

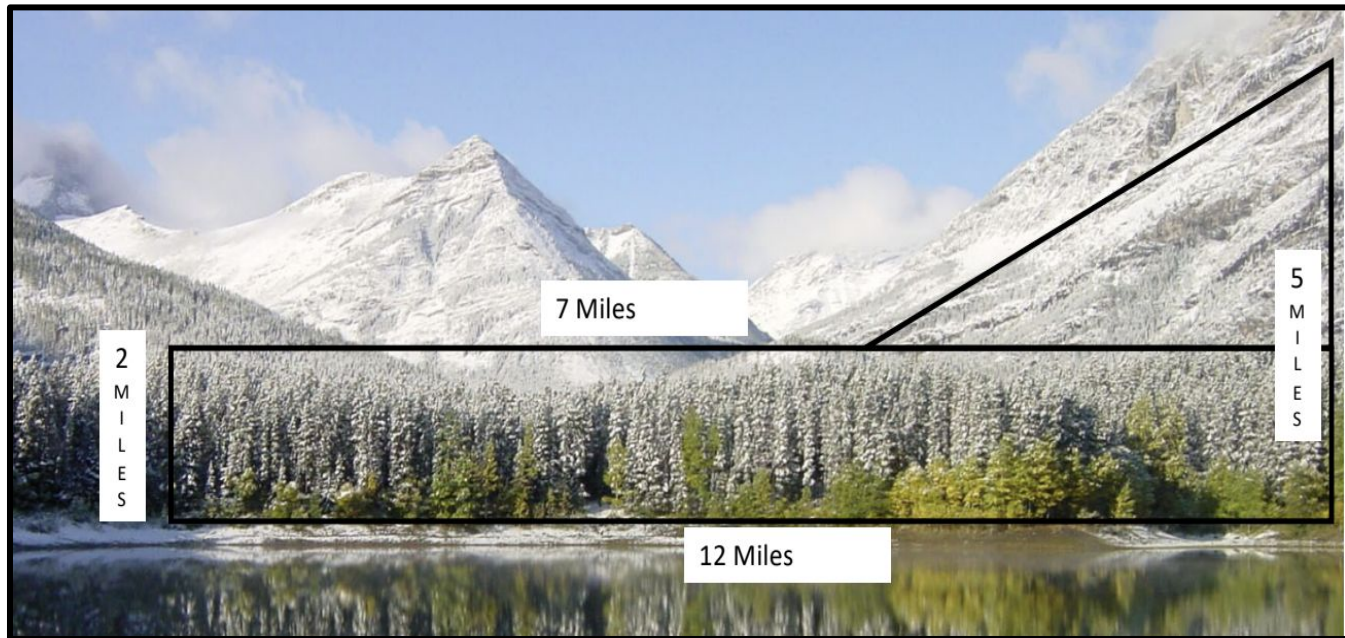
✓ For this first problem, simply **watch** how the problem is solved.



✓ **Relax** 😊 and **focus** 🎯 on the strategies for solving the problem above.

✓ When the video is complete, **copy** 📄 the problem into your **notebook** 📖 or on a **piece of paper** 📄 for your parent or teacher.

✓ Click on 👉 the photo to watch 👁️ this video. 🐾



Protecting the Moose Habitat

A family of moose calls this reserve home. To ensure their safety, you need to determine the area of their habitat.

📏 **Bottom Base: 12 miles** 📏 **Top Base between from left corner to Triangle: 7 miles**

📏 **Height of Left Side: 2 miles** 📏 **Height of Right Side: 5 miles**

? **How many square miles is this animal reserve?**


WORK WITH



Area of Polygons - Challenge 2

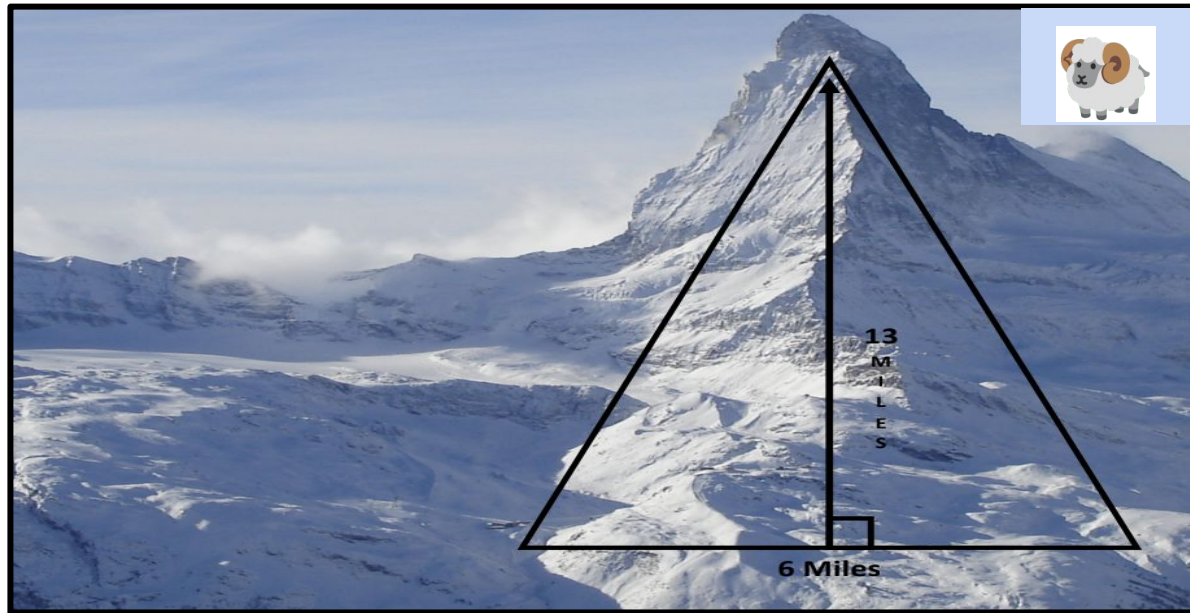
ME

 **Play the video** by clicking on the photo. 

 **Pause the video** when told.

 **Copy the problem** down on your own paper, and **solve it with me**.

 **Pay close attention!** Your next challenge will be very **similar** to this one. 



Protecting the Bighorn Sheep Habitat

A family of bighorn sheep needs your help! Their home is within the polygon shown.

 **Base: 6 miles**

 **Height: 13 miles**

 **How many square miles is this animal reserve?**

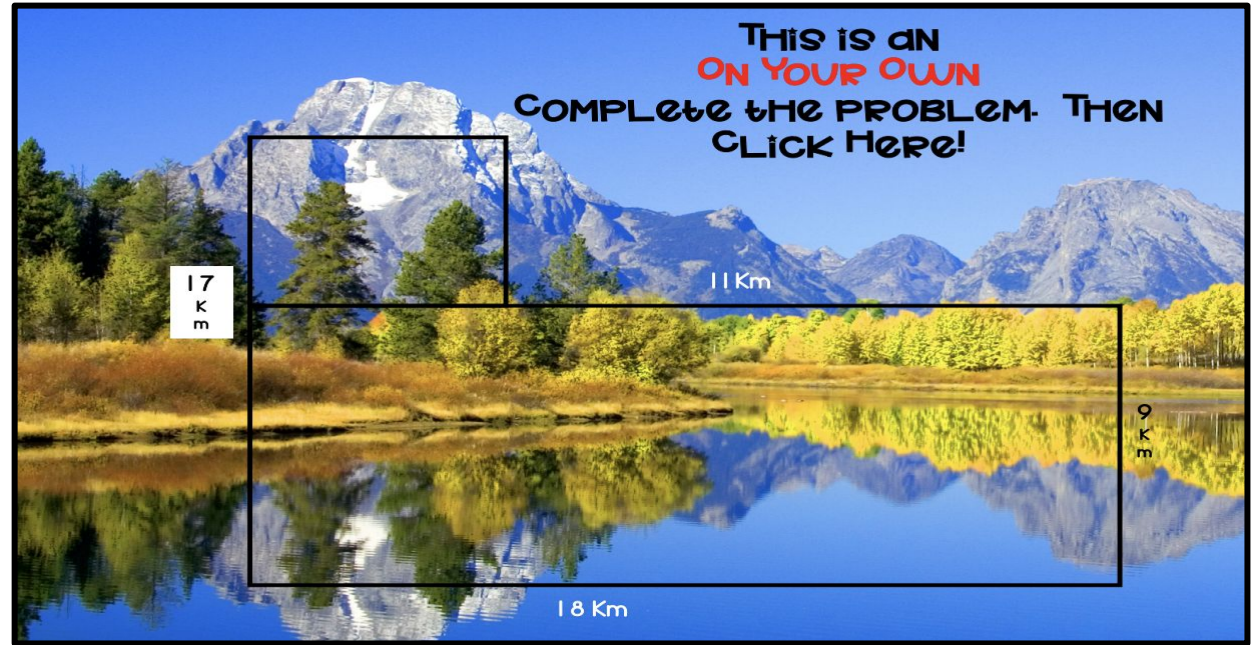
◆ On Your Own ◆

Area of Polygons - Challenge 3

✓ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



🦆 Protecting the Canadian Geese Habitat

A flock of Canadian geese relies on this reserve. Solve for the area of their home.

📏 Bottom Base: 18 Kilometers

📏 Left Portion of Top Base: 11 Kilometers

📏 Left Height: 17 Kilometers

? How many square kilometers is this animal reserve?

◆ On Your Own ◆

Area of Polygons - Challenge 4

✓ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



🐜 **Protecting the Ants' Habitat**

This tiny triangular reserve is home to a family of ants. Help protect them by finding the area.

📏 **Base: 15 yards**

📏 **Height: 7 yards**

❓ **How many square yards is this animal reserve?**

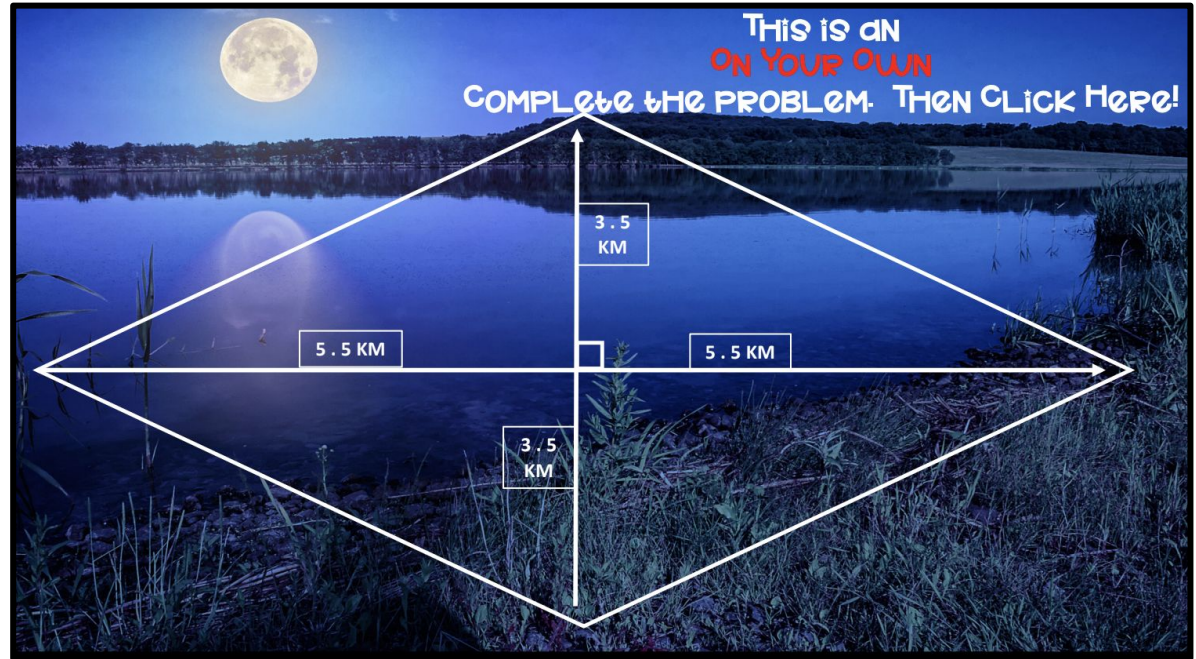
◆ On Your Own ◆

Area of Polygons - Challenge 5

✔ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



🦆 Protecting the Mallard Ducks' Habitat

A family of mallard ducks lives in this wetland reserve. Find the area of their habitat.

📏 Center to Right Base: 5.5 Kilometers

📏 Center to Left Base: 5.5 Kilometers

📏 Center to Bottom Height: 3.5 Kilometers

📏 Center to Top Height: 3.5 Kilometers

? How many square kilometers is this animal reserve?

◆ On Your Own ◆

Area of Polygons - Challenge 6

✔ Complete this problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥🐾



🐿️ Protecting the Beavers' Habitat

Beavers are busy building in this reserve! Help protect their home by calculating its area.

📏 Bottom Base: 12 miles

📏 Left Portion of Top Base: 6.5 miles

📏 Left Height: 9.5 miles

📏 Right Height: 7.5 miles

? How many square miles is this animal reserve?

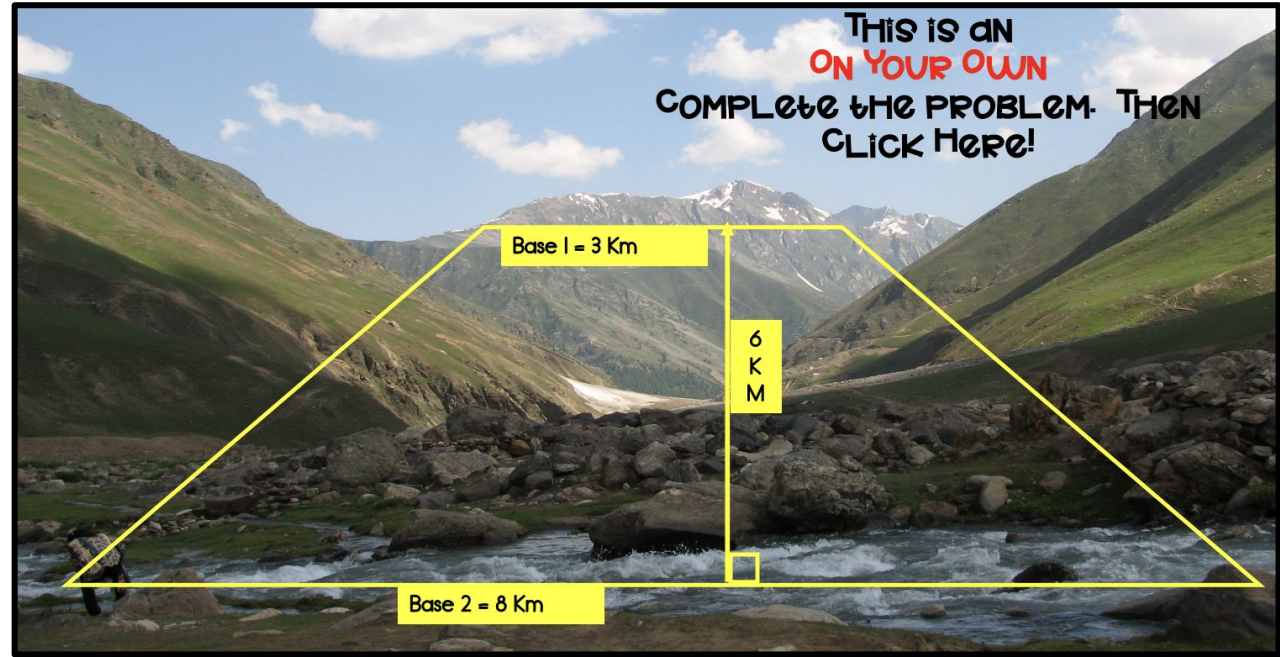
◆ On Your Own ◆

Area of Polygons - Challenge 7

✓ Complete this problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



🦅 Protecting the Bald Eagles' Habitat

A majestic family of bald eagles nests in this reserve. Determine the area of their protected land.

📏 Bottom Base: 8 Kilometers

📏 Top Base: 3 Kilometers

📏 Height: 6 Kilometers

? How many square kilometers is this animal reserve?

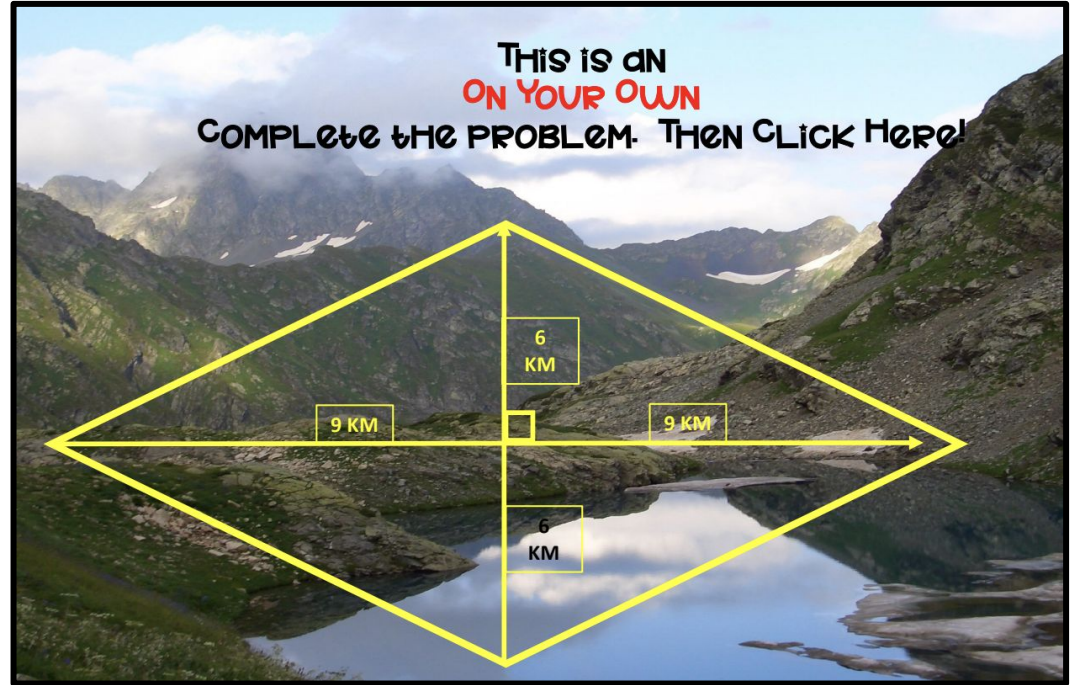
◆ On Your Own ◆

Area of Polygons - Challenge 8

✔ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



🐆 Protecting the Mountain Lions' Habitat

Mountain lions roam in this wilderness. Ensure their safety by solving for the area of their habitat.

📏 Center to Right Base: 9 Kilometers

📏 Center to Left Base: 9 Kilometers

📏 Center to Bottom Height: 6 Kilometers

📏 Center to Top Height: 6 Kilometers

? How many square kilometers is this animal reserve?

◆ On Your Own ◆

Area of Polygons - Challenge 9

✔ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥🐾



🐏 Protecting the Pronghorn Sheep Habitat

A herd of pronghorn sheep calls this reserve home. Calculate the area to protect their land.

📏 Left Portion of Top Base: 5.5 Kilometers

📏 Base of Triangle: 3.5 Kilometers

📏 Height of Rectangle: 4.5 Kilometers

📏 Height of Triangle: 13 Kilometers

? How many square kilometers is this animal reserve?

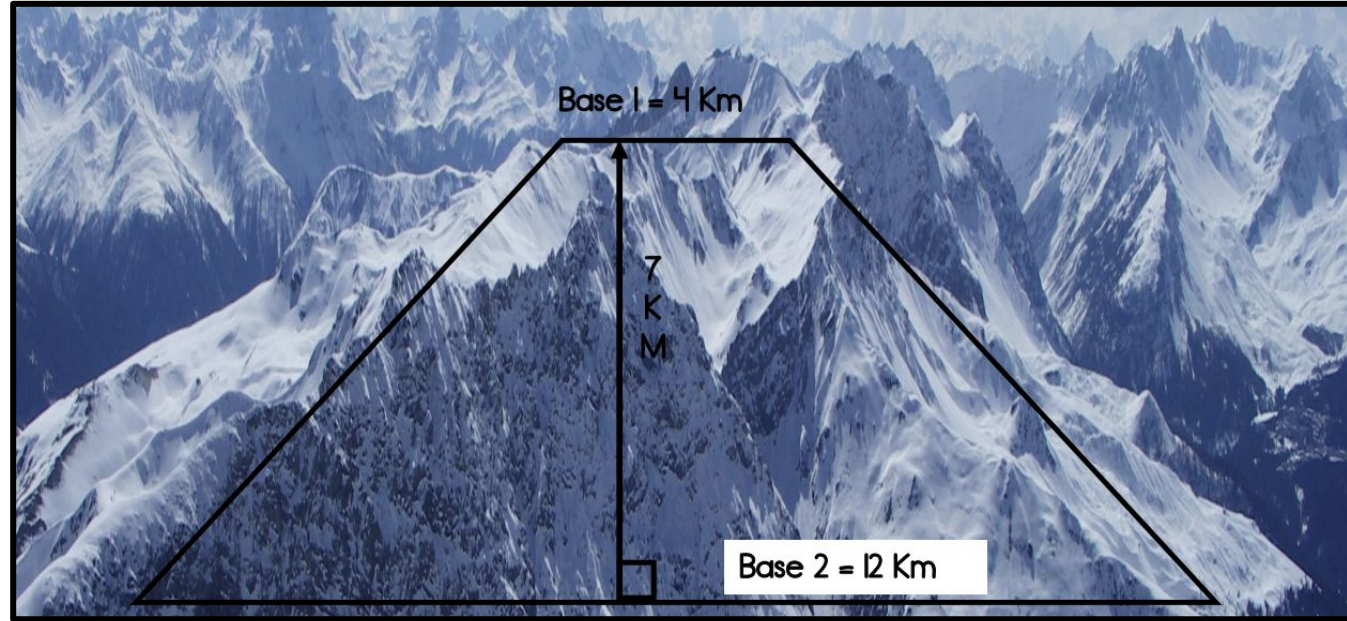
◆ On Your Own ◆

Area of Polygons - Challenge 10

✔ Complete this problems first




▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾




Protecting the Grizzly Bears' Hibernation Grounds

Deep in the wilderness, a family of grizzly bears hibernates. Determine the area of their reserve.

 **Bottom Base: 12 Kilometers**

 **Top Base: 4 Kilometers**

 **Height: 7 Kilometers**

? **How many square kilometers is this animal reserve?**

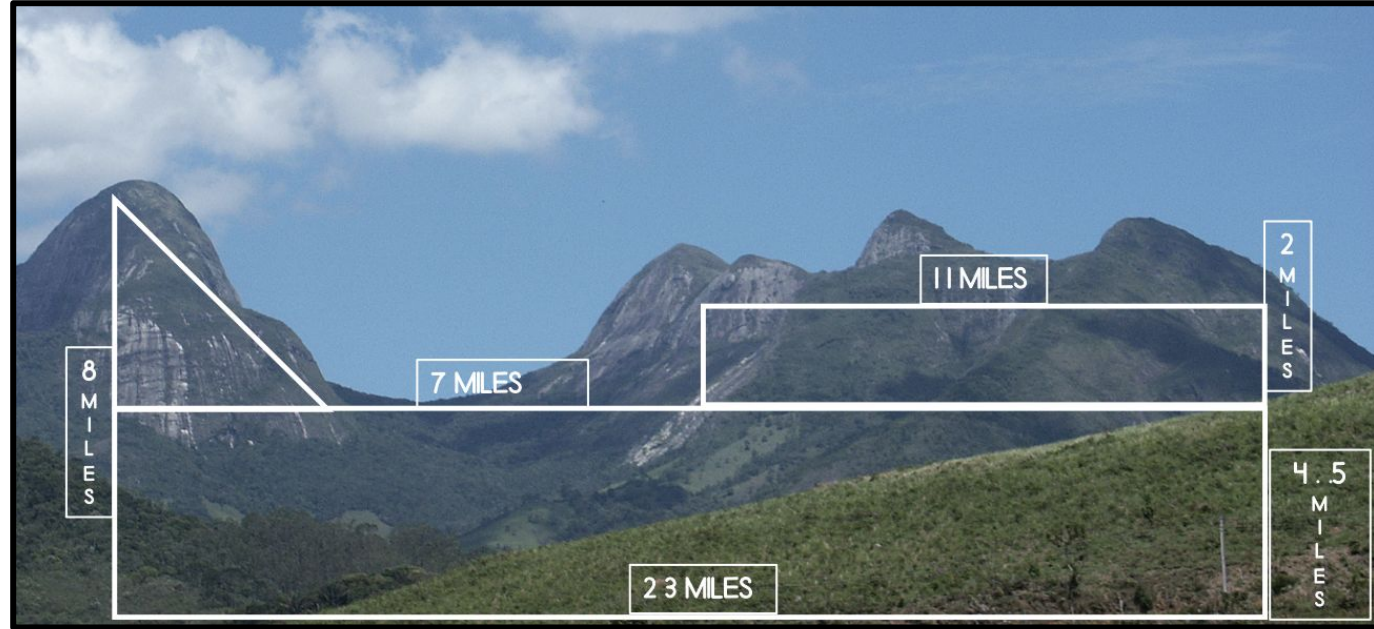
◆ On Your Own ◆

Area of Polygons - Challenge 11

✔ Complete these problems first



▶ Then, 👉 Click on photo to watch the video and check your answer! 🎥 🐾



Protecting the Wolves' Habitat

A pack of wolves roams this terrain. Ensure their habitat remains safe by solving for the area.

- ✂ Bottom Base: 23 miles
- ✂ Base between Triangle & Rectangle: 7 miles
- ✂ Top Rectangle Base: 11 miles
- ✂ Height of Left Side: 8 miles
- ✂ Height of Bottom Rectangle: 4.5 miles
- ✂ Height of Top Rectangle: 2 miles

? How many square miles is this animal reserve?