

An Eco-kennel

You need

- ★ access to relevant books and/or the Internet (optional)
- ★ a computer design program (optional)
- ★ a classmate

I'd love to make an eco-kennel for my dog!

What's the difference between an eco-kennel and an ordinary kennel?



Is an eco-kennel made from recycled materials?

Activity

With a classmate:

1. Discuss what materials would be suitable for recycling or reusing in your eco-kennel.

2.

! Tom's dog is a fox terrier called Perry. His measurements in centimetres are $45 \times 30 \times 20$.



a. Design an eco-kennel suitable for Perry. (You could use a computer to do this.) On your design, show all the measurements.

b. What is the approximate volume of Perry's kennel?

3. Mike's dog, Tosh, is a Labrador. He needs an eco-kennel that is 50% longer, 20% higher, and 20% wider than Perry's kennel. What will the dimensions of Tosh's kennel be?

4. Tom says Tosh's kennel will be twice the size of Perry's. Is he correct? Explain your reasoning.

Focus

Working with appropriate measurements