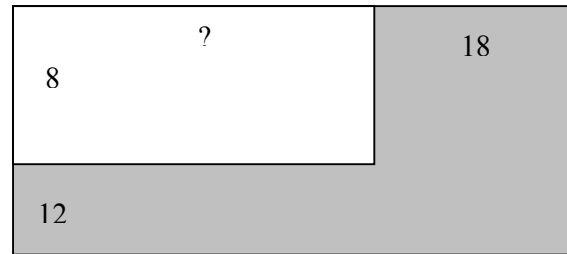


Proportional Puzzles

To prepare the materials: Photocopy each sheet of the puzzle onto a different coloured card and laminate each sheet. Cut each rectangle, triangle, or circle out. There are three forms of the puzzle.

How to use the puzzle pieces:

Take two rectangles, triangles, or circles of different sizes. Overlap the smaller shape on top of the larger shape so that one corner meets (or the centre matches for circles). Cover one or two of the length measurements shown on the shapes with your fingers or thumbs. Ask your partner to find the missing measurements using the lengths that are shown. For example:



The large rectangle measures 18×12 . The smaller rectangle is a reduced copy of the large one and measures 8 by an unknown length. What is the length?





