

Piecing It All Together

Perry and Ariel are puzzled and need your help. They have created the eight puzzle pieces shown at the bottom of the page. They want to know the size of each piece. They also want to know what the completed puzzle will look like. Follow the directions below to complete each activity.

Area: the measure of the region inside a closed figure, measured in square units

Directions:

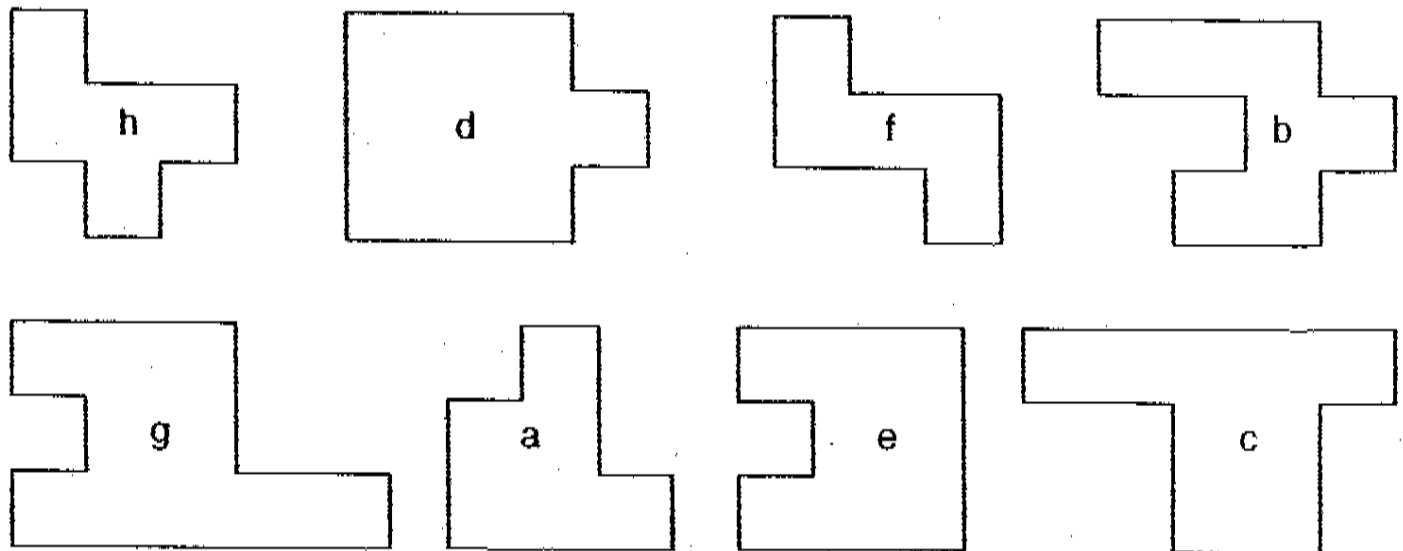
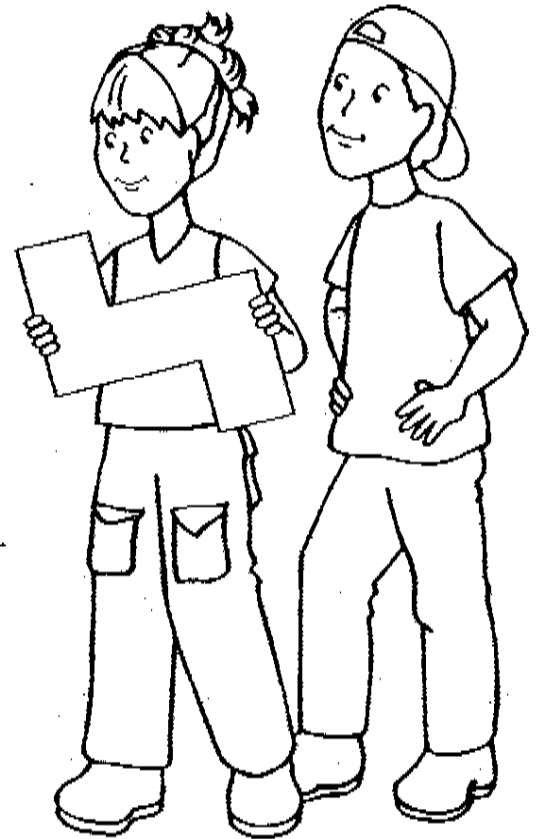
1. Using a centimeter ruler, find the area of each puzzle piece. If you want to, lightly draw lines on each piece to divide it into parts that you can measure.

2. Write the area of each puzzle piece.

- | | |
|---------------------------|---------------------------|
| a = _____ cm ² | e = _____ cm ² |
| b = _____ cm ² | f = _____ cm ² |
| c = _____ cm ² | g = _____ cm ² |
| d = _____ cm ² | h = _____ cm ² |

Now add the 8 areas together. You should get 60 cm².

3. Cut out the 8 puzzle pieces.
4. Arrange the puzzle pieces in a row to make a rectangle that is 20 cm long and 3 cm wide. Hint: Puzzle piece d is first.



J12

Feb.

430