



## Work Place Instructions 6C Guess My Quadrilateral

### Each pair of players needs:

- 6C Guess My Quadrilateral Record Sheets (1 per player)
- 1 set of Quadrilateral Cards (use a set that belongs to one of the players)
- riddle booklets made by classmates

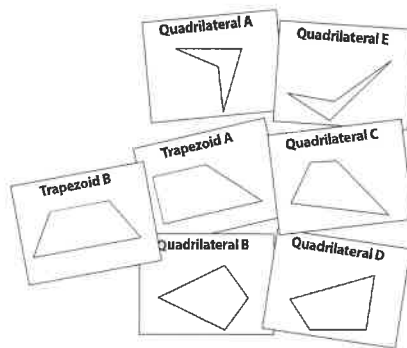
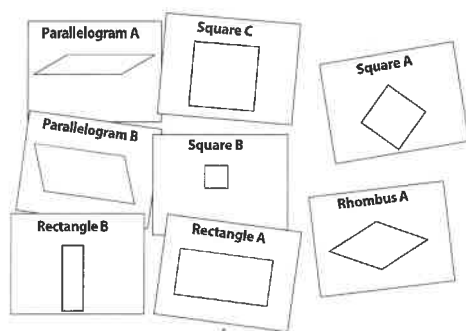
- 1 Players work together to lay out all the cards from one of their sets of Quadrilateral Cards. Then they choose a riddle book written by a classmate.
- 2 Players open the book for clue 1, read and discuss the clue, and set aside any of the Quadrilateral Cards that do not fit the clue.

Sample Clue: My quadrilateral has 2 pairs of parallel sides.

*Cathy* So we can get rid of anything that's not a square or a rectangle, right?

*Tyson* We have to keep the parallelograms and the rhombus, too. They have 2 pairs of parallel sides.

*Cathy* OK, so we'll get rid of the trapezoids and all the weird quadrilaterals.



- 3 Players continue reading one clue at a time, discussing and putting aside the quadrilaterals that do not match each clue, until only one is left.
- 4 If players have more than one shape left, they look back over the clues to see if they forgot to put aside any of the shapes.
- 5 Players compare their answer to the one on the back of the riddle booklet.
- 6 Both players fill in the row on their record sheet for that riddle.
- 7 Players push all their Quadrilateral Cards back together, trade their riddle booklet in for another one, and solve the next riddle in the same way.
- 8 After players have solved at least five riddles, they answer the questions at the bottom of the record sheet.

### Game Variations

- A Players may work alone to compete against a partner. Then players can compare answers after five riddles before checking answers on the riddle booklets. Players can assign one point for each correct riddle to determine a winner.
- B Players create additional riddles for some of the Quadrilateral Cards in their set.
- C Players determine the minimal number of clues necessary to identify a particular shape. In other words, which clues for each riddle were the most necessary? Could any have been eliminated?



NAME \_\_\_\_\_

DATE \_\_\_\_\_

**6C Guess My Quadrilateral Record Sheet**

Fill in the information for each riddle that you solve. There are extra rows in case you want to solve more than 5 riddles.

Riddle Author	Riddle Answer	Did you solve the riddle correctly?
1.		
2.		
3.		
4.		
5.		

**1** Of these riddles, whose riddle was the hardest to solve? Why?

**2** Whose riddle was the easiest? What made it so easy?

**3** What advice do you have to improve any of the riddles?



Here is clue 1: \_\_\_\_\_  
\_\_\_\_\_

We can get rid of \_\_\_\_\_  
\_\_\_\_\_

We need to keep \_\_\_\_\_  
\_\_\_\_\_

The next clue is: \_\_\_\_\_  
\_\_\_\_\_

Our shape is a \_\_\_\_\_  
\_\_\_\_\_

I think we could solve the riddle without

these clues: \_\_\_\_\_  
\_\_\_\_\_.

