

Tangram Challenges

Building Fluency: fraction equivalence

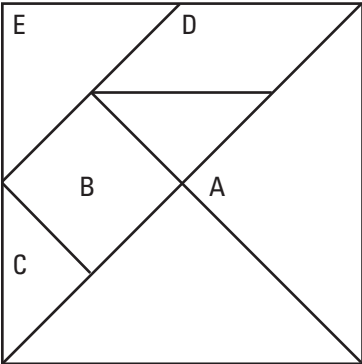
Materials: gameboard

Number of Players: 2

- Directions:**
- 1. Complete the tables.
 - 2. Be certain both players agree with the answers.
 - 3. Compare your work with another team.
 - 4. If your answers are different be ready to justify your thinking and critique the reasoning of others.

Variation/Extension: Instead of using the tangram pieces students could create their own shape with fractional parts.

If the entire tangram = 1, then . . .



PIECE	FRACTION NAME
A	
B	
C	
D	
E	

If part D costs 40¢, then. . .

PIECE	COST
A	
B	
C	
D	40¢
E	

If part A costs \$2, then. . .

PIECE	COST
A	\$2
B	
C	
D	
E	

If part B is equal to 1, then . . .

PIECE	FRACTION
A	
B	1 or $\frac{1}{1}$
C	
D	
E	

Bonus: Suppose the value of the entire tangram is \$32.00. What would be the value of the middle-sized triangle?

How did you know this?