

Tangram Challenges

Building Fluency: fraction equivalence

Materials: gameboard

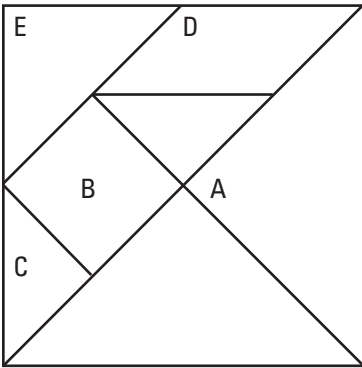
Number of Players: 2

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? _____
