



Problem Solving: Act it Out

TAKS Objectives 4, 6
TEKS 5.10A, 5.14C

Solve.

1. A stack of 10 cards is 2 millimeters tall. Would a stack of 52 cards have a height of more or less than 1 centimeter? Explain.

3. A building wall has a height of 6 yards. The wall is made of levels of bricks that are each 4 inches high. How many levels of bricks make up the wall?

5. A fruit punch recipe calls for 2 quarts of apple juice, 2 pints of grape juice, 3 cups of orange juice, and 4 fluid ounces of lemon juice. Will the recipe make more or less than a gallon of punch? Explain.

2. A truck can move 1,200 pounds of steel at a time. How many trips will be needed for the truck to move 5 tons of steel?

4. A centipede crawls 1 inch every 10 seconds. At that rate, how many hours will it take for the centipede to crawl 1 mile?

6. A jar containing 196 nickels weighs 1 kilogram. One half of the nickels are removed from the jar. It now weighs 510 grams. What is the weight of the jar?
