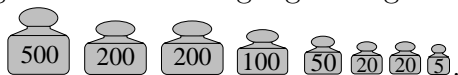


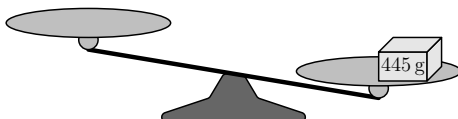
GRADES 5 AND 6

SAMPLE QUESTION FOR 3 POINTS

Peter has a package weighing 445 g and the following eight weights:



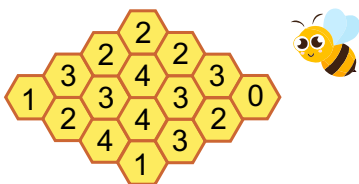
He puts the package on a scale, as shown. What is the smallest number of weights he needs to balance the scale?



- (A) 2
- (B) 3
- (C) 4
- (D) 5
- (E) 6

SAMPLE QUESTION FOR 4 POINTS

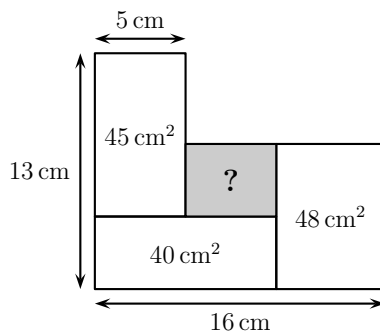
The figure below shows a honeycomb with 16 cells. Some of the cells contain honey. The number in each cell indicates how many of its neighboring cells contain honey. Two cells are neighbors if they share a common edge. How many cells in the honeycomb contain honey?



- (A) 7
- (B) 8
- (C) 9
- (D) 10
- (E) 11

SAMPLE QUESTION FOR 5 POINTS

The diagram shows four touching rectangles. What is the area of the shaded rectangle?



- (A) 12 cm²
- (B) 14 cm²
- (C) 16 cm²
- (D) 18 cm²
- (E) 20 cm²