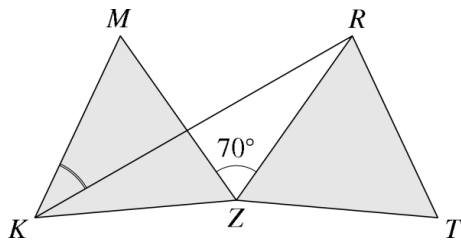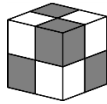# Math Kangaroo Level Books

Junior (중3-고1)
(샘플 문제)

1. Triangle *RZT* is the image of the equilateral triangle *KZM* upon a rotation clockwise around *Z* so that ∠*MZR* = 70°. What is the measure of ∠*RKM*?
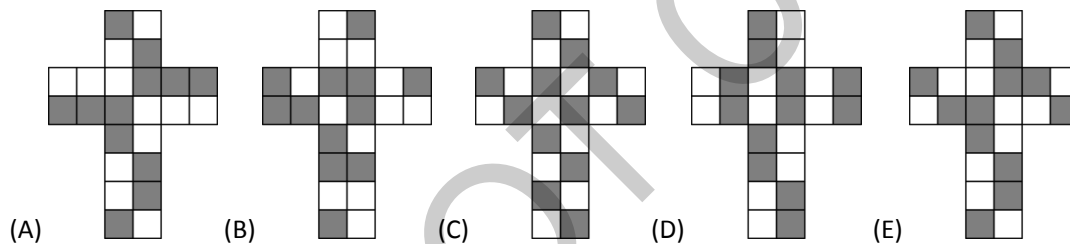

(A) 20°   (B) 25°   (C) 30°   (D) 35°   (E) 40°

2. The outside of a cube is painted with grey and white squares in such a way that it appears as if it was built using smaller grey cubes and white cubes, as shown.
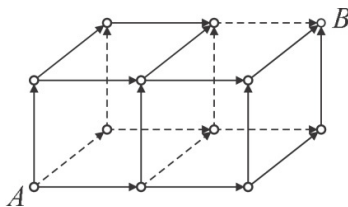

Which of the following could be a net of the painted cube?

(A)   (B)   (C)   (D)   (E)

3. Using the whole numbers from 1 to 22 inclusive, Horatio wants to form eleven fractions by choosing one number as the numerator, and one number as the denominator. Every number will be used exactly once. What is the maximum number of Horatio's fractions that could have an integer value?

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

4. How many different paths are there between points *A* and *B*, only travelling along the edges in the direction of the arrows shown?

(A) 6   (B) 8   (C) 9   (D) 12   (E) 15