22 Rectangle $DEFA$ below is a 3×4 rectangle with $DC = CB = BA$. The area of the "bat wings" is
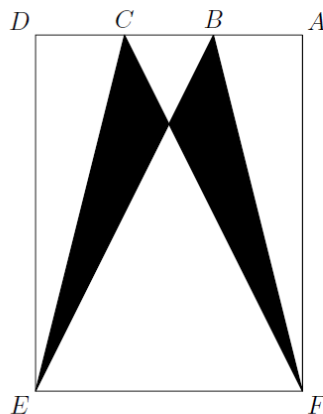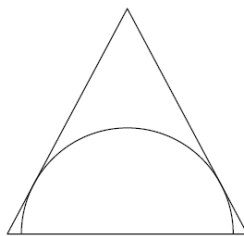

(A) 2 (B) $2\frac{1}{2}$ (C) 3 (D) $3\frac{1}{2}$ (E) 5

24 The digits $1, 2, 3, 4,$ and 5 are each used once to write a five-digit number $PQRST$. The three-digit number PQR is divisible by 4, the three-digit number QRS is divisible by 5, and the three-digit number RST is divisible by 3. What is P?

(A) 1 (B) 2 (C) 3 (D) 4 (E) 5

25 A semicircle is inscribed in an isosceles triangle with base 16 and height 15 so that the diameter of the semicircle is contained in the base of the triangle as shown. What is the radius of the semicircle?

(A) $4\sqrt{3}$ (B) $\dfrac{120}{17}$ (C) 10 (D) $\dfrac{17\sqrt{2}}{2}$ (E) $\dfrac{17\sqrt{3}}{2}$