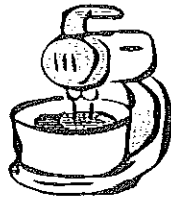


Name \_\_\_\_\_



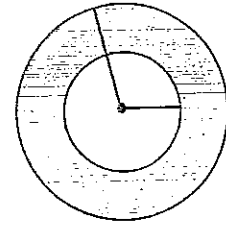
# Mixer # 12

1. A regular triangle has a perimeter of 18cm; a regular pentagon has a perimeter of 30 cm; a regular hexagon has a perimeter of 33 cm. Which figure (or figures) have sides with the longest measure?

- A). regular triangle
- B). regular triangle and regular pentagon
- C). regular pentagon
- D). regular pentagon and regular hexagon
- E). regular hexagon

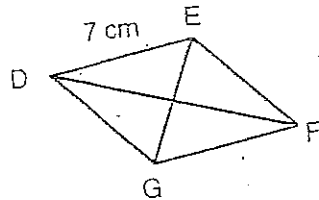
2. The radius of the smaller of two concentric circles is 5 cm while the radius of a larger circle is 7 cm. Determine the area of the shaded region.

- A).  $7\pi \text{ cm}^2$
- B).  $24\pi \text{ cm}^2$
- C).  $25\pi \text{ cm}^2$
- D).  $36\pi \text{ cm}^2$
- E).  $49\pi \text{ cm}^2$



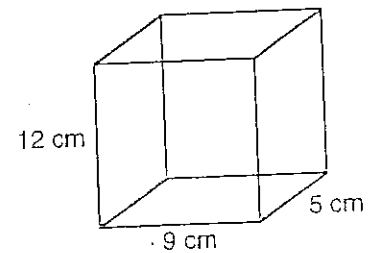
3. In rhombus DEFG,  $DE = 7\text{cm}$ . Find the perimeter of the rhombus.

- A). 14 cm
- B). 28 cm
- C). 42 cm
- D). 49 cm
- E). 56 cm



4. Find the surface area of the rectangular prism shown.

- A).  $138 \text{ cm}^2$
- B).  $336 \text{ cm}^2$
- C).  $381 \text{ cm}^2$
- D).  $426 \text{ cm}^2$
- E).  $540 \text{ cm}^2$



5. Round the following decimal to the nearest thousandth:

0.9196