

Big Ideas Math®



## Math Card War

► **Materials:**

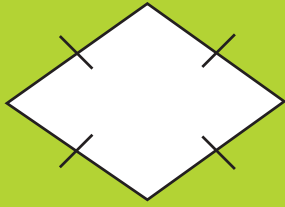
- Game cards
- Paper
- Pencils

► **Directions:**

Students play in pairs. One student shuffles the cards and then deals 20 cards to each player face-down. Each player turns one card face-up and finds the length or area of the figure with the given dimensions. Round to the nearest hundredth, when necessary. The player with the greater answer wins. The winner collects both cards and places them at the bottom of their cards. If there is a tie, each player lays 3 cards face-down, then a new card face-up. The player with the greater area of the new cards wins. The winner collects all 10 cards.

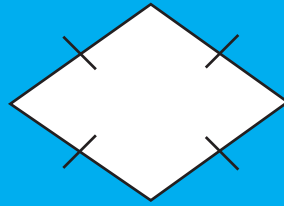
► **Who Wins?**

Play continues until one player has all the cards. This player wins!



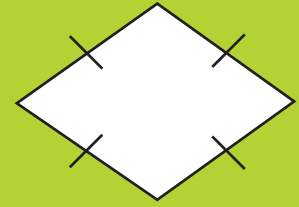
What is the area?

$$d_1 = 4$$
$$d_2 = 5$$



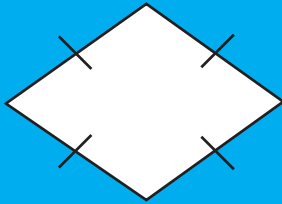
What is the area?

$$d_1 = 6$$
$$d_2 = 3$$



What is the area?

$$d_1 = 4$$
$$d_2 = 7$$



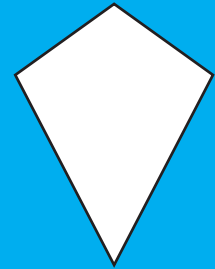
What is the area?

$$d_1 = 8$$
$$d_2 = 6$$



What is the area?

$$d_1 = 5$$
$$d_2 = 10$$



What is the area?

$$d_1 = 7$$
$$d_2 = 6$$



What is the area?

$$d_1 = 9$$
$$d_2 = 8$$



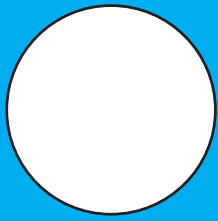
What is the area?

$$d_1 = 3$$
$$d_2 = 12$$



What is the circumference?

$$d = 3$$



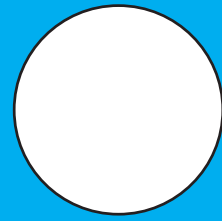
What is the  
circumference?

$$r = 1$$



What is the  
circumference?

$$d = 5$$



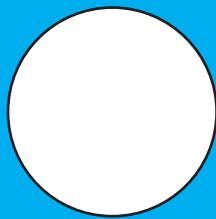
What is the  
circumference?

$$r = 7$$



What is the area?

$$d = 3$$



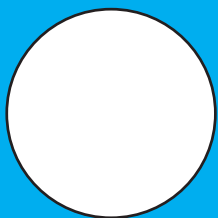
What is the area?

$$d = 8$$



What is the area?

$$d = 9$$



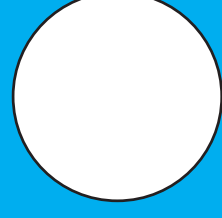
What is the area?

$$d = 10$$



What is the  
diameter?

$$A = \pi$$



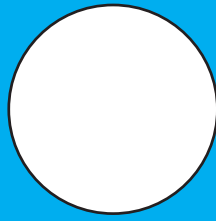
What is the  
diameter?

$$A = 9\pi$$



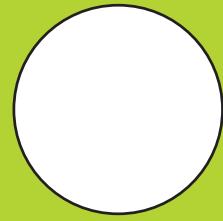
What is the diameter?

$$C = \pi$$



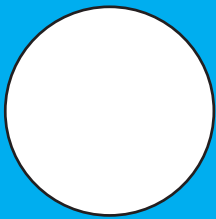
What is the diameter?

$$C = 5\pi$$



What is the area?

$$r = 6$$



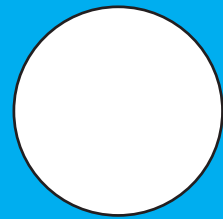
What is the area?

$$r = 7$$



What is the area?

$$r = 8$$



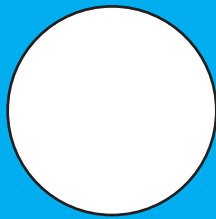
What is the area?

$$r = 9$$



What is the radius?

$$A = 9\pi$$



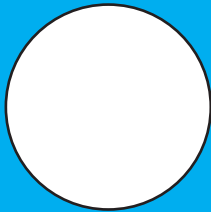
What is the radius?

$$A = 4\pi$$



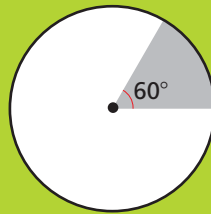
What is the radius?

$$C = 8\pi$$



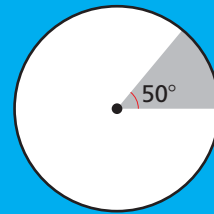
What is the radius?

$$C = 10\pi$$



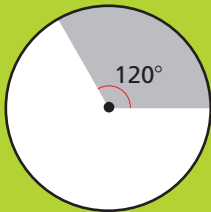
What is the area of the shaded region?

$$m\angle = 60^\circ$$
$$r = 7$$



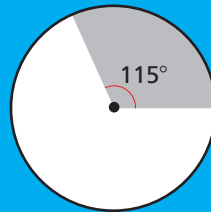
What is the area of the shaded region?

$$m\angle = 50^\circ$$
$$r = 8$$



What is the area of the shaded region?

$$m\angle = 120^\circ$$
$$r = 15$$



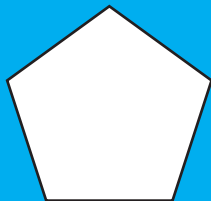
What is the area of the shaded region?

$$m\angle = 115^\circ$$
$$r = 18$$



What is the area?

$$s = 6$$



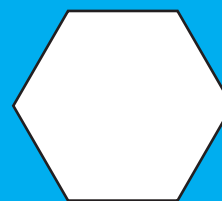
What is the area?

$$s = 5$$



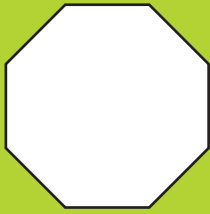
What is the area?

$$s = 7$$



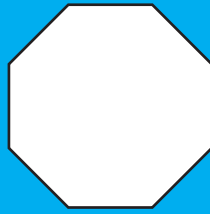
What is the area?

$$s = 8$$



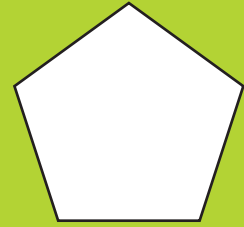
What is the area?

$$s = 6$$



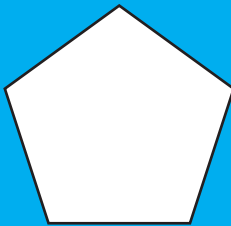
What is the area?

$$s = 8$$



What is the area?

$$s = 5$$



What is the area?

$$s = 6$$