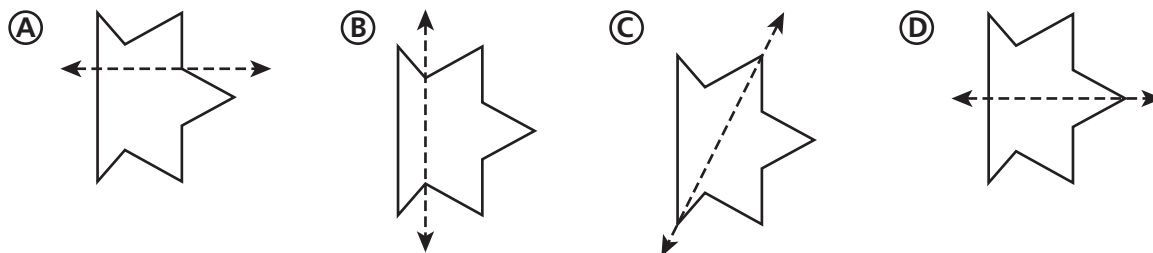
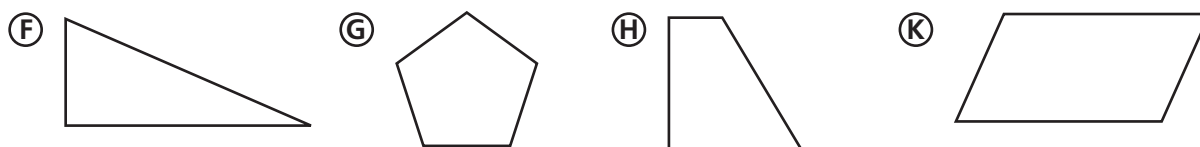


Fill in the circle for the correct answer.

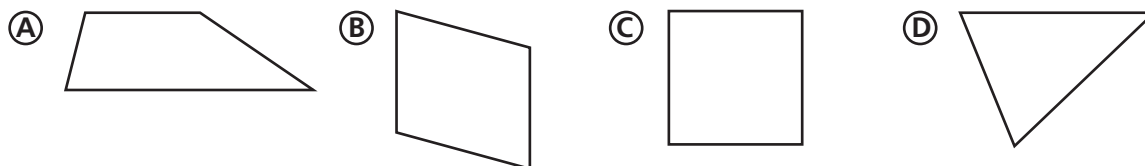
1. Which shows a line of symmetry on the figure?



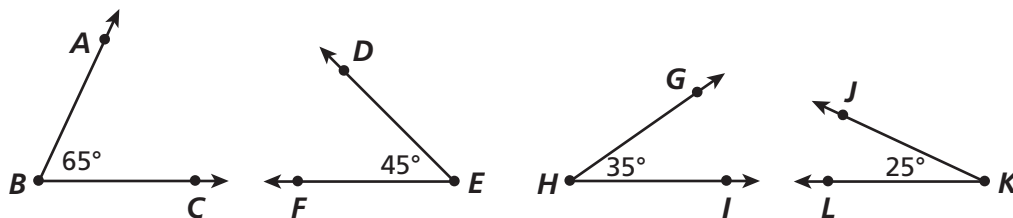
2. Which figure has line symmetry?



3. Which figure appears to have right angles?



4. Which two angles can be put together to make an 80° angle?



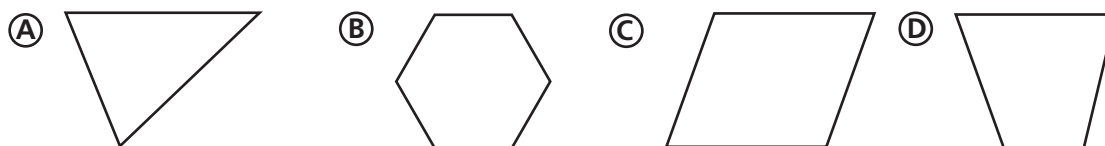
(F) $\angle ABC$ and $\angle GHI$

(H) $\angle DEF$ and $\angle JKL$

(G) $\angle DEF$ and $\angle GHI$

(K) $\angle GHI$ and $\angle JKL$

5. What figure does **not** appear to have parallel lines?



6. In which figure are **all** of the angles acute?



7. Which figure can be described as line MN ?

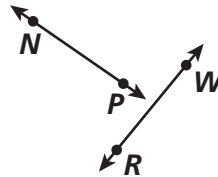
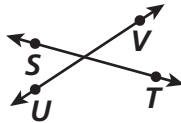
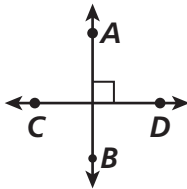


8. Which description matches the figure?



- (F) Line (G) Line segment (H) Ray (K) Point

Use these figures for 9–10.



9. Which lines are perpendicular?

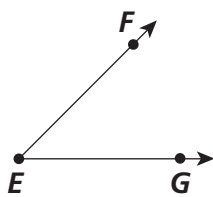
- (A) Lines AB and CD
(B) Lines ST and UV
(C) Lines NP and RW
(D) Lines JK and NM

10. Which lines are parallel?

- (F) Lines AB and CD
(G) Lines ST and UV
(H) Lines NP and RW
(K) Lines JK and NM

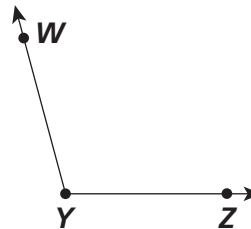
Which shows the measure of the angle and its type?

11.



- (A) 45° ; acute
(B) 55° ; acute
(C) 135° ; obtuse
(D) 145° ; obtuse

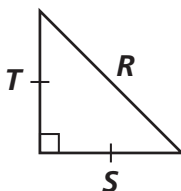
12.



- (F) 75° ; acute
(G) 85° ; acute
(H) 105° ; obtuse
(K) 115° ; obtuse

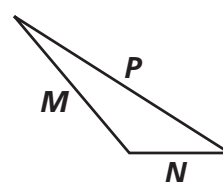
Classify the triangle by its sides.

13.



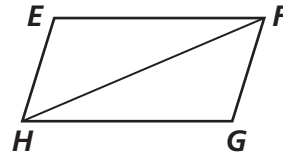
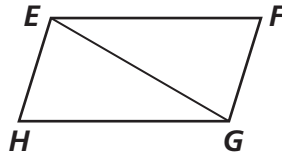
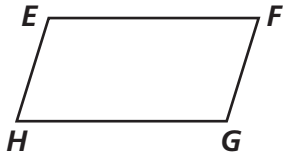
- (A) equilateral
(B) isosceles
(C) obtuse
(D) scalene

14.



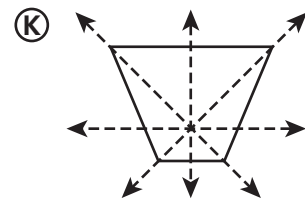
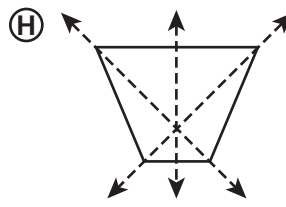
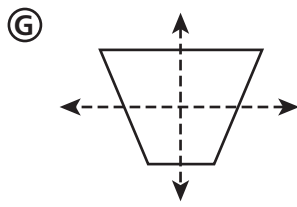
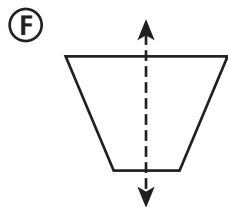
- (F) acute
(G) equilateral
(H) isosceles
(K) scalene

15. Classify the quadrilateral by its angles and its sides.
Then tell what types of triangles are made by the diagonals.

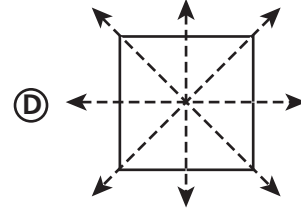
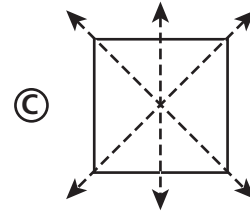
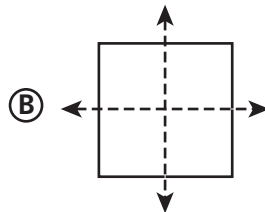
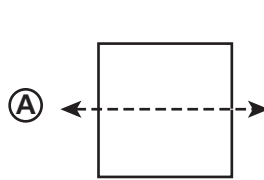


- Ⓐ parallelogram; acute triangles; obtuse triangles
Ⓑ rhombus, parallelogram; acute triangles; obtuse triangles
Ⓒ rhombus, parallelogram; acute triangles; acute triangles
Ⓓ rhombus; acute triangles; obtuse triangles

16. Which figure shows all of the lines of symmetry?

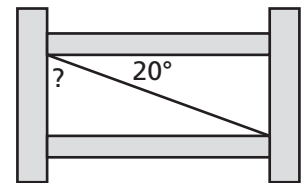


17. Which figure shows all of the lines of symmetry?



18. Thom makes a drawing to show a diagonal post between the slats of a wooden fence. What is the measure of the unknown angle?

- Ⓕ 160° Ⓖ 110° Ⓗ 90° Ⓚ 70°



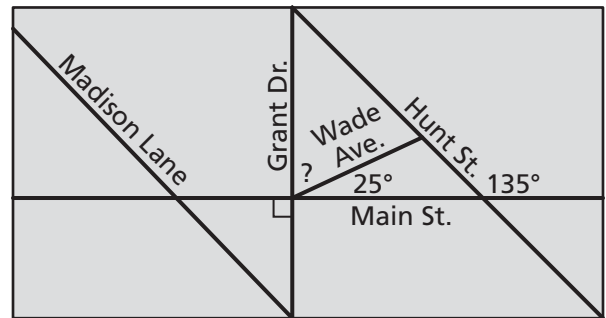
19. Kate bought some stepping stones for her garden. The stones have two pairs of parallel sides, and all sides are the same length. What is the shape of the stones?

- Ⓐ triangle Ⓑ rhombus Ⓒ trapezoid Ⓓ pentagon

Use the map for 20–23.

20. Which two streets in the map appear to be parallel?

(F) Madison Lane and Hunt Street
(G) Madison Lane and Grant Drive
(H) Grant Drive and Main Street
(K) Grant Drive and Hunt Street



21. Wade Avenue, Hunt Street, and Main Street form a triangle around a building. What is the triangle classified by its angles and its sides?

(A) acute scalene
(B) obtuse scalene
(C) acute isosceles
(D) obtuse isosceles

22. What is the measure of the acute angle formed by Grant Drive and Wade Avenue?

(F) 25° (G) 45° (H) 65° (K) 75°

23. Which two streets are perpendicular?

(A) Hunt Street and Wade Avenue
(B) Madison Lane and Hunt Street
(C) Grant Drive and Wade Avenue
(D) Grant Drive and Main Street

24. Pat sets a rotating sprinkler to stop at 160°. If the sprinkler turns in one-degree sections, how many turns will the sprinkler make?

(F) 100 (G) 160 (H) 180 (K) 360

25. A watch gear turns 25° and stops. It then turns another 35° and stops. How many times will the watch gear repeat these turns until it completes the circle?

(A) 8 (B) 7 (C) 6 (D) 5