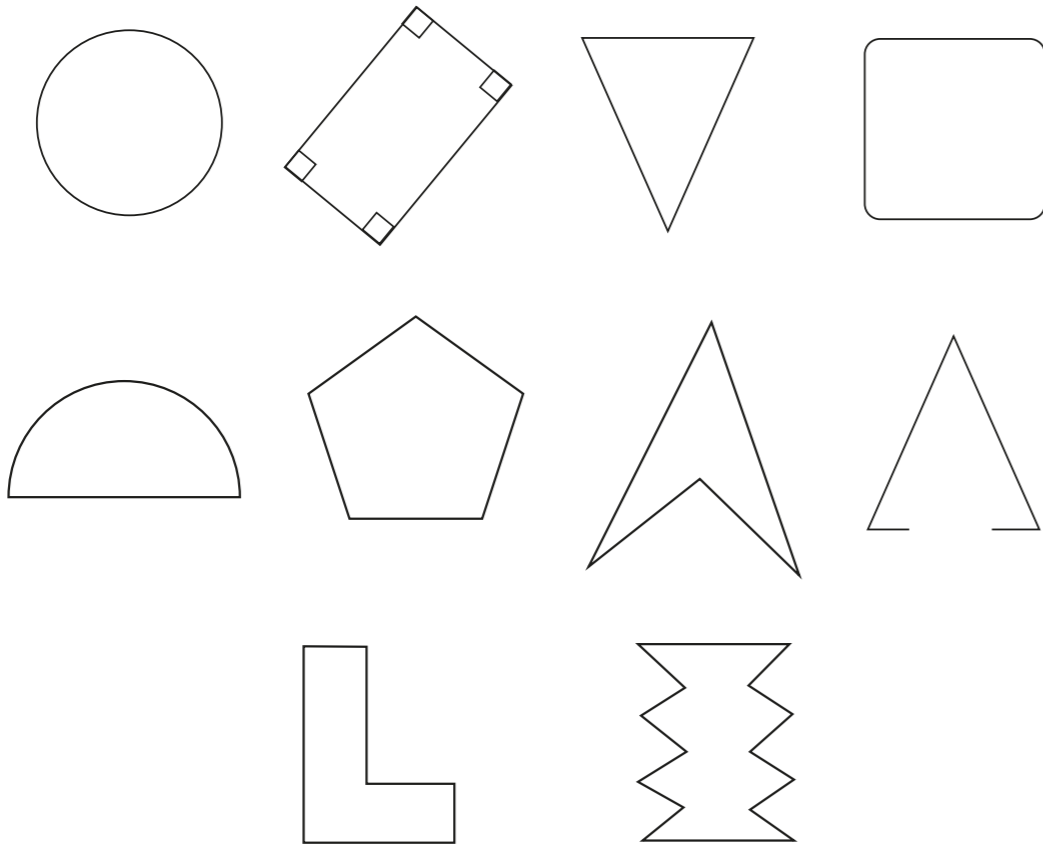


Identify polygons up to a decagon

1 Here are some shapes.



- a) Tick the polygons.
- b) For each of the shapes you have **not** ticked, discuss with a partner why they are not polygons.
- c) Write a definition of a polygon in your own words.



2 Match the shape to the number of sides.

quadrilateral

nonagon

decagon

heptagon

triangle

10

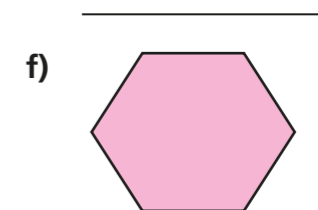
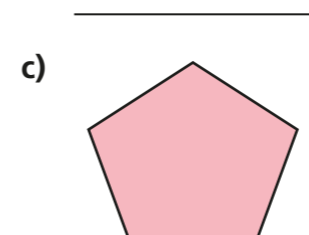
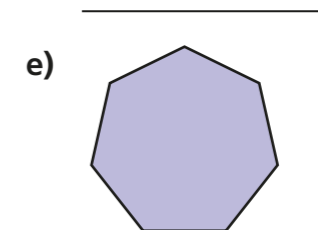
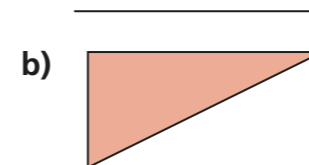
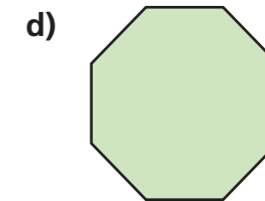
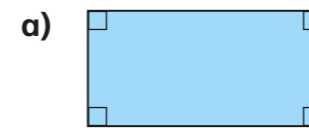
3

7

9

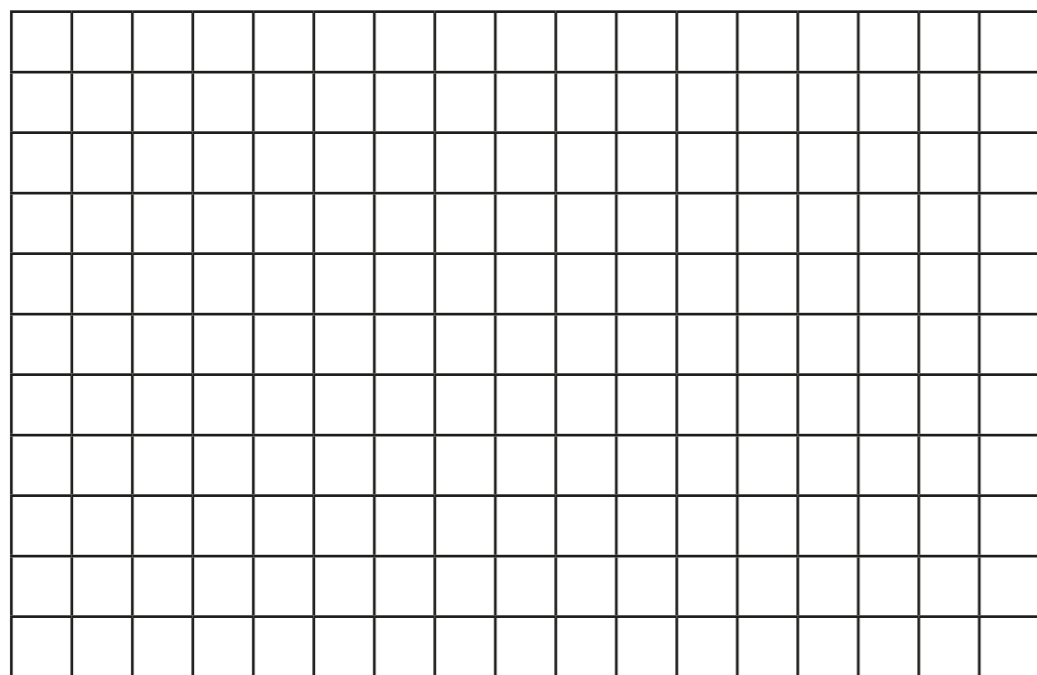
4

3 Write the name of each polygon.

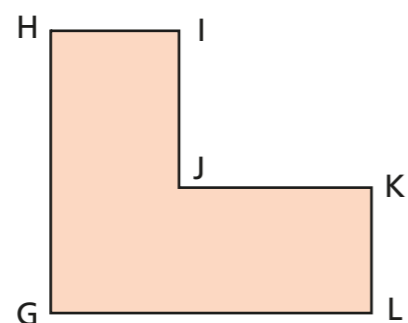
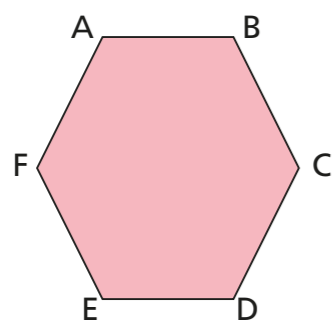


4 Draw and label each shape on the grid.

- a) square
- b) hexagon
- c) pentagon
- d) triangle
- e) decagon
- f) heptagon

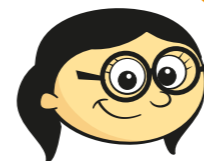


5 ABCDEF is a regular hexagon.
GHIJKL is an irregular hexagon.



- a) What is the same and what is different about the hexagons?
- b) Write your own definition of a regular polygon.

6

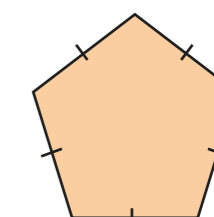
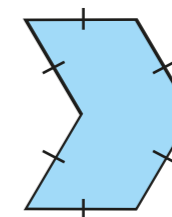
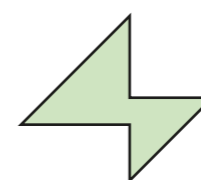
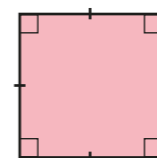


A rhombus is a regular quadrilateral because all of the side lengths are equal.

Do you agree with Annie? _____
Explain your answer.

7

Tick the polygons that are regular.



Discuss your reasoning with a partner.

8



A pentagon has five sides, so if I join two regular pentagons together I will make a regular decagon.

Do you agree with Mo? _____
Explain your answer.