

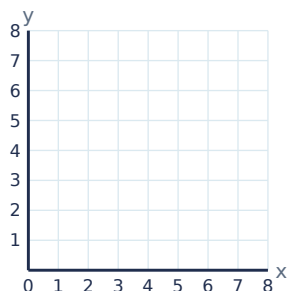
All 2-D shapes

Name _____

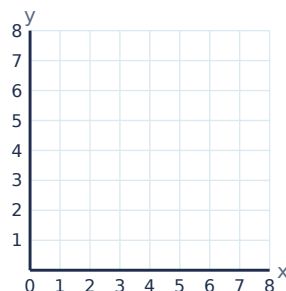
Page 1 of 2

Draw squares, rectangles and right-angled triangles on a grid.

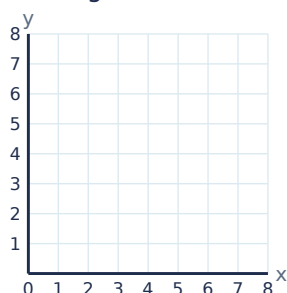
- 1** Mark the corners of this square on the grid: (1, 0), (4, 0), (4, 3), (1, 3). Join them with straight lines.



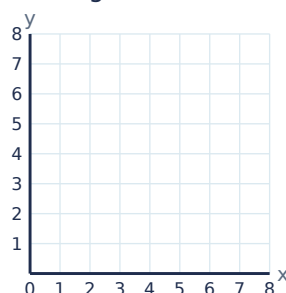
- 2** Mark the corners of this right-angled triangle on the grid: (0, 1), (4, 1), (0, 5). Join them with straight lines.



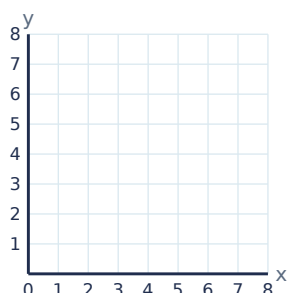
- 3** Mark the corners of this right-angled triangle on the grid: (1, 2), (4, 2), (1, 6). Join them with straight lines.



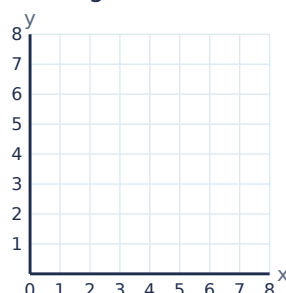
- 4** Mark the corners of this right-angled triangle on the grid: (0, 0), (4, 0), (0, 2). Join them with straight lines.



- 5** Mark the corners of this square on the grid: (1, 2), (4, 2), (4, 5), (1, 5). Join them with straight lines.



- 6** Mark the corners of this right-angled triangle on the grid: (0, 1), (3, 1), (0, 4). Join them with straight lines.


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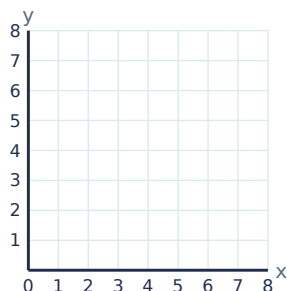
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All 2-D shapes (continued)

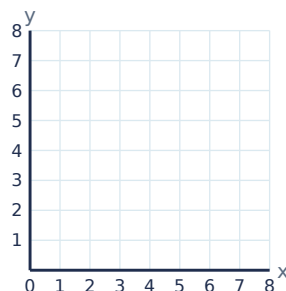
Draw squares, rectangles and right-angled triangles on a grid.

Page 2 of 2

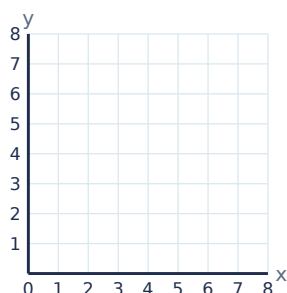
- 7** Mark the corners of this right-angled triangle on the grid: (2, 2), (5, 2), (2, 5). Join them with straight lines.



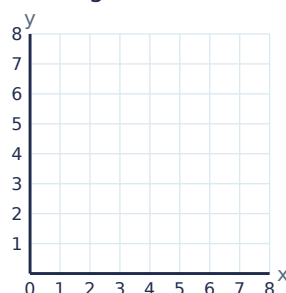
- 8** Mark the corners of this rectangle on the grid: (0, 2), (2, 2), (2, 5), (0, 5). Join them with straight lines.



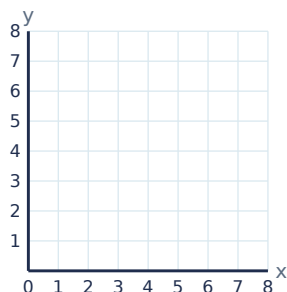
- 9** Mark the corners of this square on the grid: (0, 2), (2, 2), (2, 4), (0, 4). Join them with straight lines.



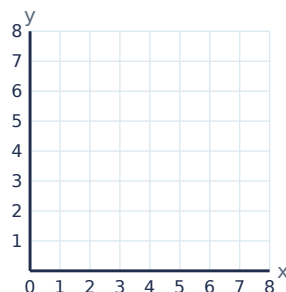
- 10** Mark the corners of this right-angled triangle on the grid: (1, 0), (5, 0), (1, 3). Join them with straight lines.



- 11** Mark the corners of this rectangle on the grid: (0, 1), (2, 1), (2, 2), (0, 2). Join them with straight lines.



- 12** Mark the corners of this right-angled triangle on the grid: (0, 2), (2, 2), (0, 4). Join them with straight lines.



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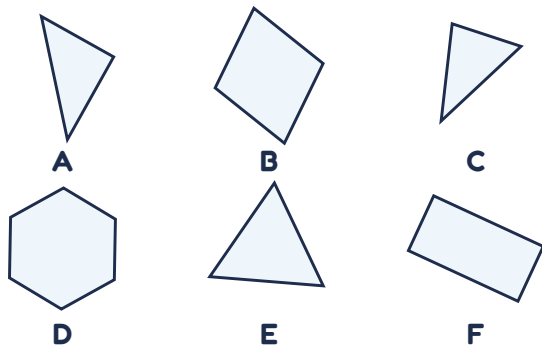
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Most 2-D shapes (continued)

Sort shapes by their properties, and use the properties of rectangles.

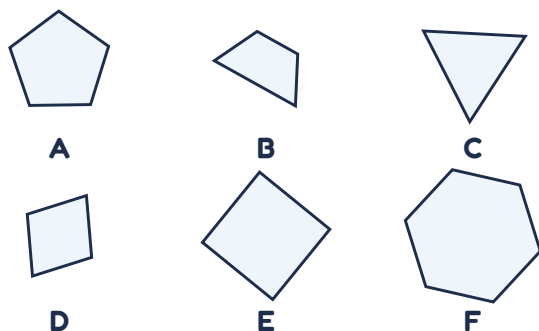
Page 2 of 2

- 7 Circle the letters of all the shapes that have at least one pair of parallel sides.



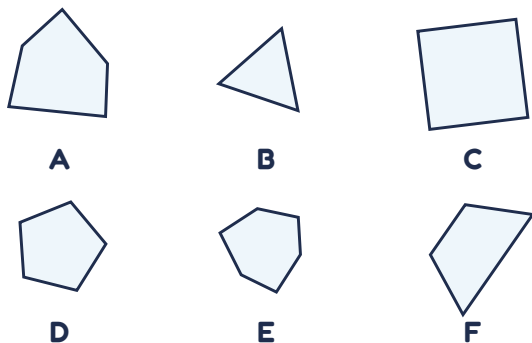
- 8** A rectangle has one side of 5 cm. What is the length of the opposite side, in cm?

- 9 Circle the letters of all the shapes with two pairs of parallel sides.



- 10** A rectangle has a perimeter of 32 cm. One side is 9 cm. What is the length of the adjacent side, in cm?

- 11** Circle the letters of all the shapes that have all sides equal in length.



- 12** A rectangle is 12 cm long and 2 cm wide. What is its perimeter, in cm?

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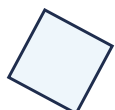
Some 2-D shapes

Name _____

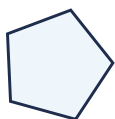
Recognise regular polygons, sort shapes, and find missing vertices.

Page 1 of 2

- 1** Circle the letters of all the regular polygons (all sides and angles equal).


A

B

C

D

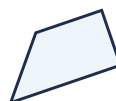
E

F

- 2** Circle the letters of all the shapes with exactly one pair of parallel sides.


A

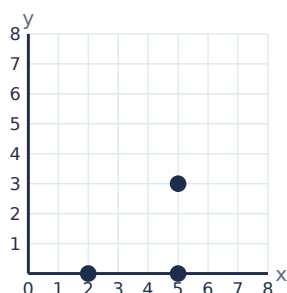
B

C

D

E

F

- 3** Three vertices of a rectangle are (2, 0), (5, 0) and (5, 3). Mark the fourth vertex with a cross.



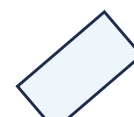
- 4** Circle the letters of all the irregular polygons (sides or angles not all equal).


A

B

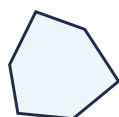
C

D

E

F

- 5** Circle the letters of all the shapes that have all sides equal in length.


A

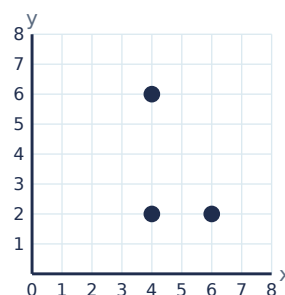
B

C

D

E

F

- 6** Three vertices of a rectangle are (4, 2), (6, 2) and (4, 6). Mark the fourth vertex with a cross.


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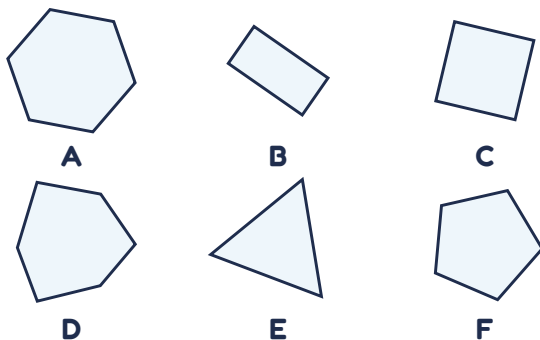
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Some 2-D shapes (continued)

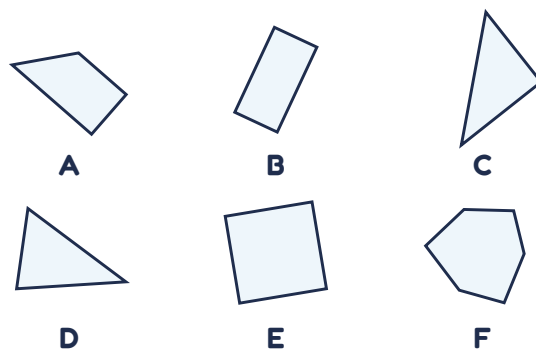
Recognise regular polygons, sort shapes, and find missing vertices.

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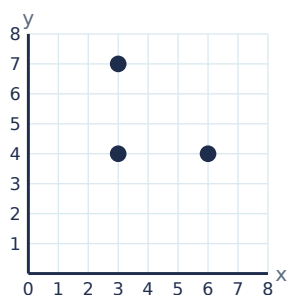
- 7** Circle the letters of all the irregular polygons (sides or angles not all equal).



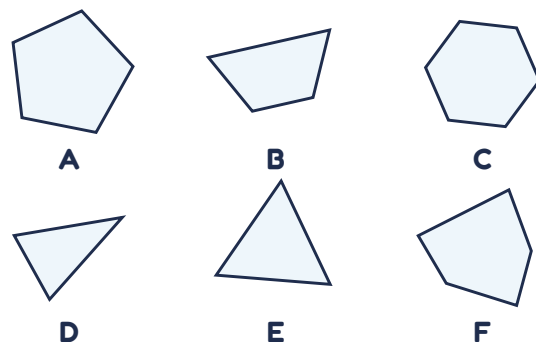
- 8** Circle the letters of all the shapes that have a right angle.



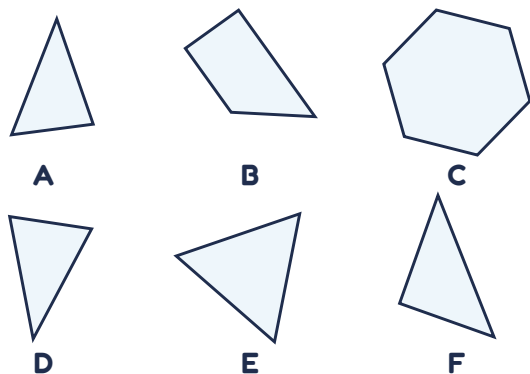
- 9** Three vertices of a rectangle are (3, 4), (6, 4) and (3, 7). Mark the fourth vertex with a cross.



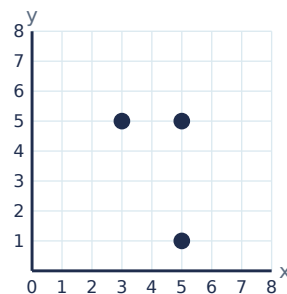
- 10** Circle the letters of all the irregular polygons (sides or angles not all equal).



- 11** Circle the letters of all the triangles.



- 12** Three vertices of a rectangle are (5, 1), (3, 5) and (5, 5). Mark the fourth vertex with a cross.

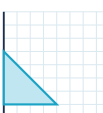
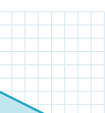
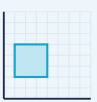
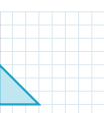
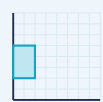
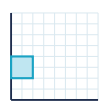


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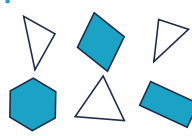
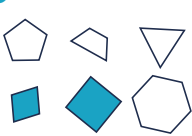
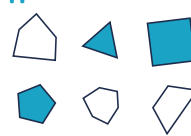
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2-D shapes: answers

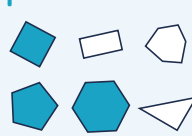
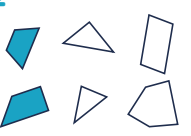
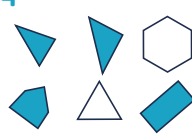
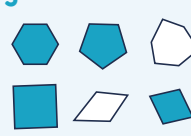
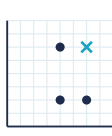
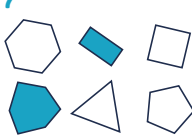
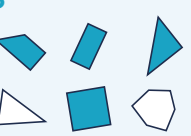
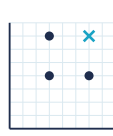
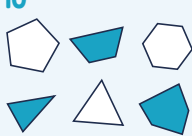
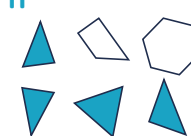
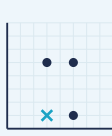
All Draw squares, rectangles and right-angled triangles on a grid.

1  $(1, 0), (4, 0)$ $(4, 3), (1, 3)$	2  $(0, 1), (4, 1), (0, 5)$	3  $(1, 2), (4, 2), (1, 6)$	4  $(0, 0), (4, 0), (0, 2)$	5  $(1, 2), (4, 2)$ $(4, 5), (1, 5)$	6  $(0, 1), (3, 1), (0, 4)$
7  $(2, 2), (5, 2), (2, 5)$	8  $(0, 2), (2, 2)$ $(2, 5), (0, 5)$	9  $(0, 2), (2, 2)$ $(2, 4), (0, 4)$	10  $(1, 0), (5, 0), (1, 3)$	11  $(0, 1), (2, 1)$ $(2, 2), (0, 2)$	12  $(0, 2), (2, 2), (0, 4)$

Most Sort shapes by their properties, and use the properties of rectangles.

1  A, D, E	2 18 cm	3  B, E	4 3 cm	5  B, D	6 90°
7  B, D, F	8 5 cm	9  D, E	10 7 cm	11  B, C, D	12 28 cm

Some Recognise regular polygons, sort shapes, and find missing vertices.

1  A, D, E	2  A, D	3  $(2, 3)$	4  A, B, D, F	5  A, B, D, F	6  $(6, 6)$
7  B, D	8  A, B, C, E	9  $(6, 7)$	10  B, D, F	11  A, D, E, F	12  $(3, 1)$

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