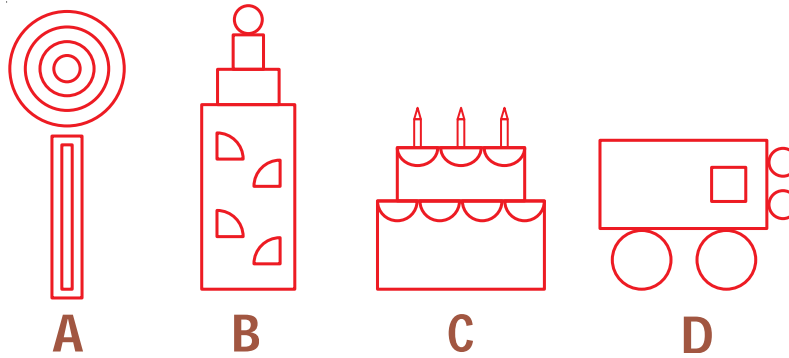


**01**

Study the figures below carefully and answer the following questions.



- (a) Which of the figures has the second least number of rectangles ?
- (b) Which shape used to form the 3 figures is half the total number of triangles and semicircles used to form Figure C ?

(a) Option A → 2 rectangles

Option B → 3 rectangles

Option C → 5 rectangles

Option D → 1 rectangle

Figure **A** has the second least number of rectangles

(b) Figure A: Circles → A

Rectangles → 2

Figure B: Circle → A

Rectangles → 3

Quarter circles → 4

Figure C: Triangles  $\rightarrow$  3

Semicircles  $\rightarrow$  7

Rectangles  $\rightarrow$  5

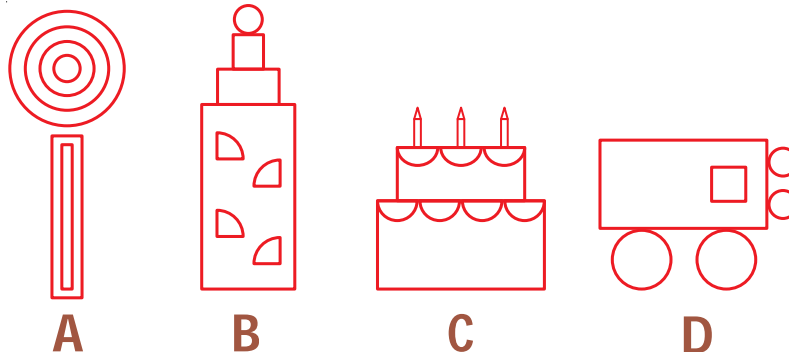
$3 + 7 = 10$  (triangles and semicircles)

$10 \div 2 = 5$

$5 = 4 + 1$  (circles)

The number of **circles** used to form the 3 figures is half the total number of triangles and semicircles used to form Figure C

**02** Study the figures below carefully and answer the following questions.



If 2 of the circles in Figure A are cut into quarter circles and all the semi-circles in Figure C are cut into quarter circles, What is the difference between the number of quarter circles in Figure C and the total number of quarter circles in Figure A and Figure B ?

$$2 \times 4 = 8 \text{ (quarter circles, Figure A)}$$

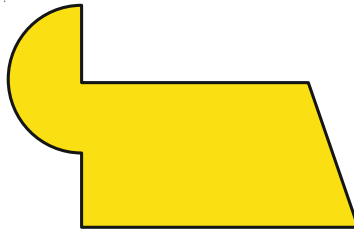
$$7 \times 2 = 14 \text{ (quarter circles, Figure C)}$$

$$8 + 4 = 12 \text{ (Figure A and Figure B)}$$

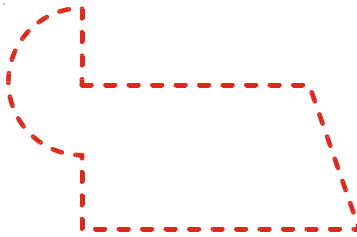
$$14 - 12 = 2$$

The difference between the number of quarter circles in Figure C and the total number of quarter circles in Figure A and Figure B is **2**

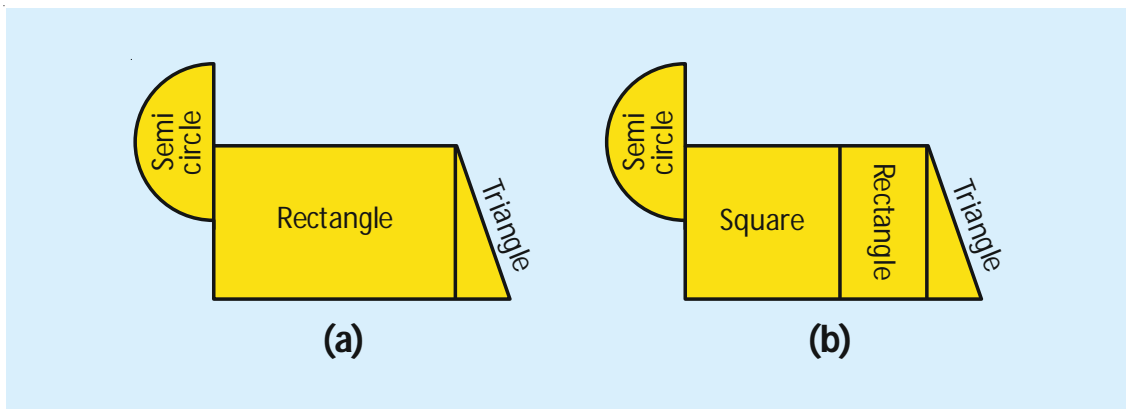
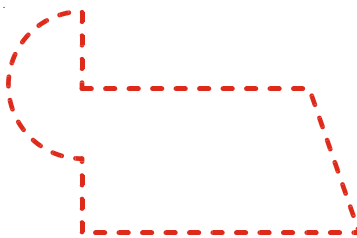
**03** Follow the instructions given in each case.  
Draw the shapes in the figure.



a) Use 1 semicircle, 1 rectangle and 1 triangle.

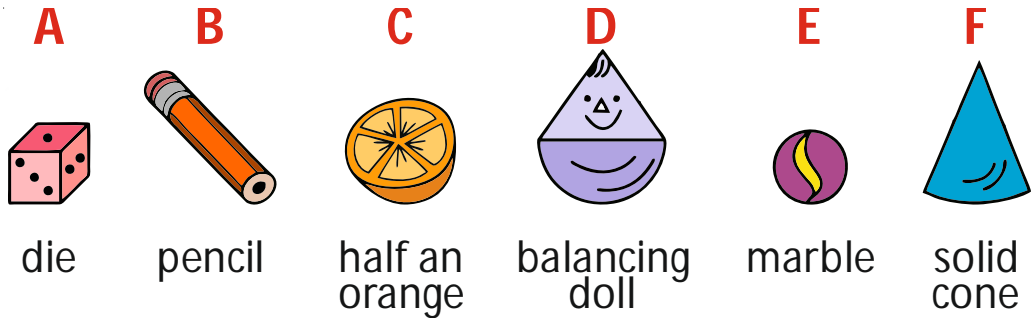


b) Use 1 semicircle, 1 square, 1 rectangle and 1 triangle.



**04**

Look at the solids, below carefully.



Now, fill up the table below.

Item	Number of flat face(s)	Number of curved face(s)
<b>A</b>	<b>6</b>	<b>0</b>
<b>B</b>	<b>2</b>	<b>1</b>
<b>C</b>	<b>1</b>	<b>1</b>
<b>D</b>	<b>0</b>	<b>2</b>
<b>E</b>	<b>0</b>	<b>1</b>
<b>F</b>	<b>1</b>	<b>1</b>