

# SNOWFLAKES, SNOWFLAKES ALL AROUND





Dora catches  
15 snowflakes.

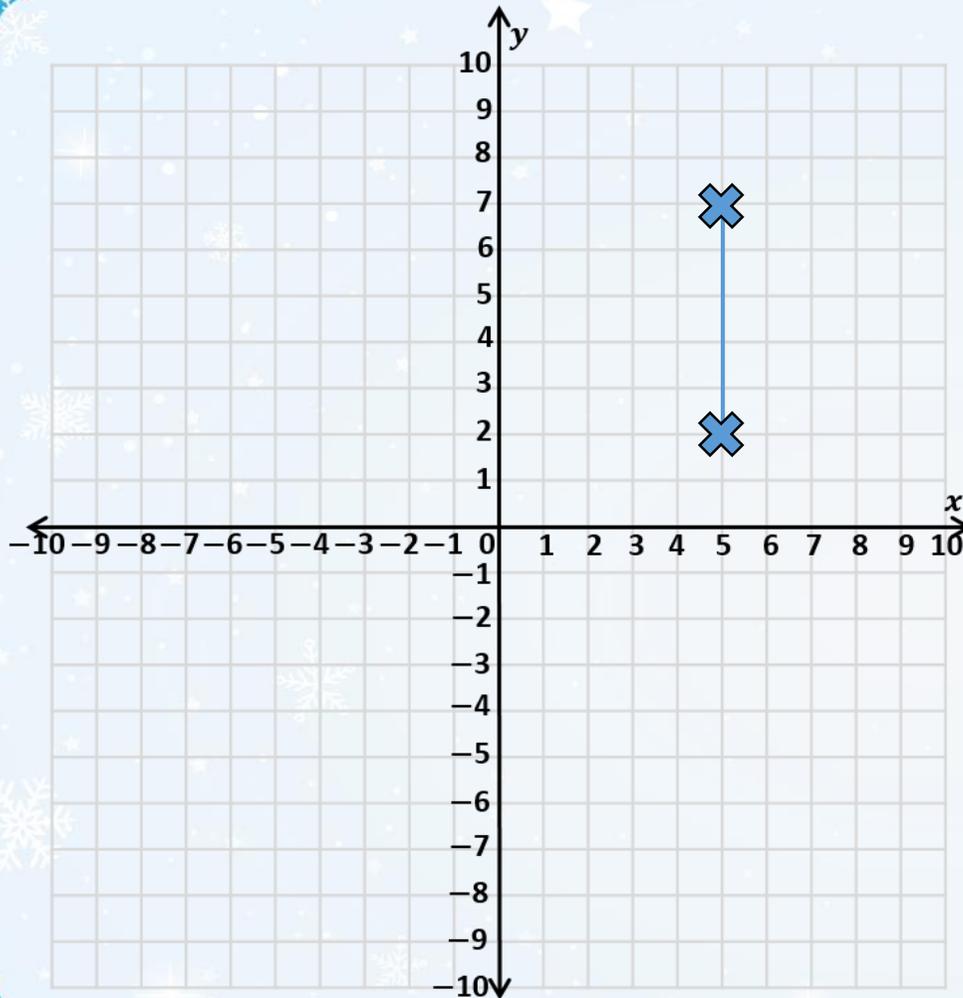
There are 3 different types of snowflakes.

An odd amount of each snowflake lands on Dora's hand.

How many different possible combinations are there?

Have a think





Plot the coordinates.

(5, 2) (5, 7)

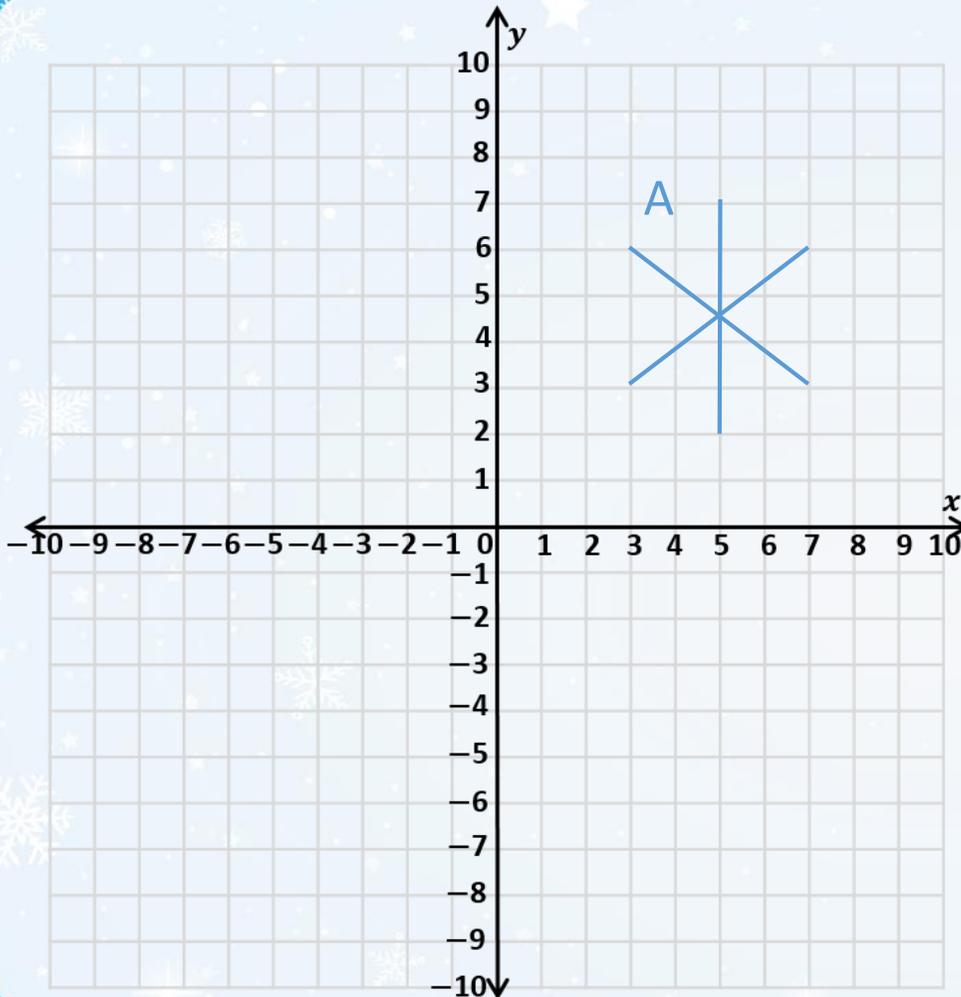
(3, 6) (7, 3)

(3, 3) (7, 6)

Draw a straight line to join each pair of coordinates.

Have a think





(5, 2) (5, 7)

(3, 6) (7, 3)

(3, 3) (7, 6)

Reflect snowflake A in the  $y$ -axis.

Reflect snowflake A in the  $x$ -axis.

Translate snowflake A 10 to the left and 9 down.

What do you notice?

Have a think



Rosie catches twice as many snowflakes as Amir.

Eva catches 5 snowflakes less than Amir.

Altogether they catch 47 snowflakes.

How many snowflakes does each person catch?

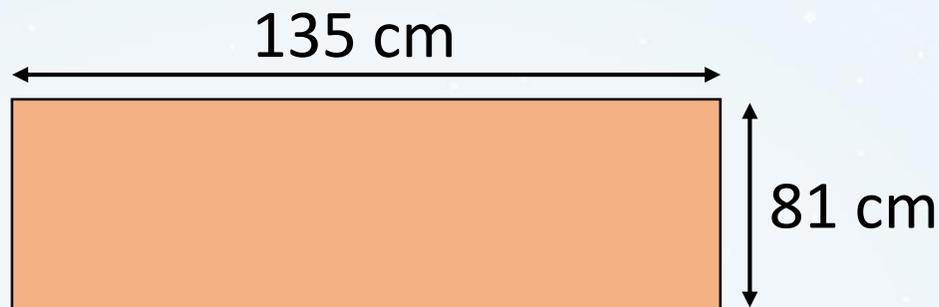


Have a think



There are 28 children in Miss Rose's class. Each child is creating a snowflake paperchain to go around their desk.

Have a think



Each individual paper chain they make is 27 cm long.



How many individual paper chains are needed to decorate the perimeter of all 28 desks?