13.12.2021

LO: problem solving with real life contexts
I can Solve problems that are related to everyday contexts
I know the most appropriate method to use when solving problems (this might be using concrete resources)
I understand when it is appropriate to use models of proof to solve the problems

Maths Madness!!

Snowman A
1,630 mm

Snowman B
98 cm

Snowman C
167 cm

Snowman D
One and
half metres

Order the snowmen from
smallest to tallest

Have a think

Build using diennes

Dora builds another snowman that becomes the third tallest.
How tall could it be?

Snowman B
98 cm

Snowman D
150 cm

Snowman A
163 cm

Snowman C
167 cm

Eva's Snowman

Ron's Snowman

Ron builds a snowman 3 times the height of Eva's snowman.

The height of the two snowmen altogether is 264 cm.

How tall is Ron's snowman?

Discuss how to solve

Eva's Snowman

Ron's Snowman

n builds a snowman 3 times the height of Eva's snowman.
The height of the two snowmen altogether is 264 cm.
How tall is Ron's snowman?

What is the difference in height between the two snowmen?

What if Ron's snowman was 264 cm. How tall would Eva's be?

Snowman 1 Snowman 2 Snowman 3

Mo has a certain amount of buttons.

$\frac{1}{3}$ of them are on snowman 1

$\frac{2}{5}$ of them are on snowman 2

$\frac{4}{15}$ of them are on snowman 3

#MathsEveryoneCan

Equipment needed to decorate a snowman:


5 buttons


1 carrot


2 sticks


1 hat


1 scarf


Dexter has:

97 buttons 22 carrots 39 sticks 21 hats 20 scarves

What is the maximum amount of snowmen Dexter can fully decorate?

Have a think

How much more of each equipment will Dexter need to decorate 100 snowmen?

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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?

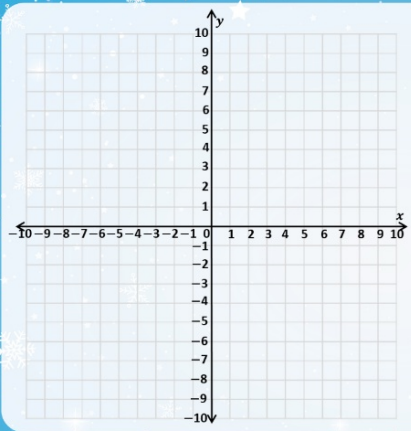
Have a think

1, 3, 5, 7, 9, 11, 13

What if Dora cau
combination of
and even amou

What if there w
different type
snowflakes

How could we record this?



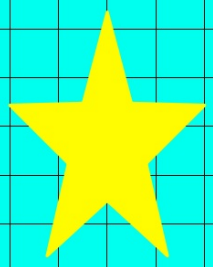
Plot the coordinates.

(5, 2) (5, 7)

(3, 6) (7, 3)

(3, 3) (7, 6)

Draw a straight line to join each pair of coordinates.



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?

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