



??? Guess My Mystery Number ???

Pick up a number from the pile and take a look. Don't show it to your adult!

Now make your number (e.g. 166) with the loose parts.

Use this sample place mat to help you draw your own place mat in the snow.

Hundreds	Tens	Ones
		

Now get your family member to guess your mystery number? (e.g. 166)

Family Challenge:

Can you create a bigger number with different loose parts? (e.g. 12,425)

Write your own number and show it on the place mat.

Snow Structure



Fill and pack the cup or bucket with snow.

Estimate how many scoops you need to fill it half way or to the top. Then **measure** it.

Does the measurement change when you use a different scoop?



Can you create a snow structure with your family?

Family Challenge:

**Estimate or calculate the perimeter of the snow structure?
Is it possible to find its area? its volume or capacity?**





Snowball Challenge



Make the biggest snowball you can with your family.
Roll it along the track.

Predict how far your snowball will go.

Measure the **distance**.

Try again to see if the snowball will go further.

What can you change to make your snowball to travel further?

Family Challenge:

Can you measure how fast the snowball roll? How would you measure it?

Can you figure out the velocity (speed) of your snowball?

Does the velocity (speed) change with the increase or decrease in size of your snowball?