

Mrs Howlett's Maths Challenge 18th May 2020

This week's challenge is all about how windy it is!

Name _____

Date _____



PROBLEM SOLVING - BEAUFORT SCALE

The beaufort scale is normally used at sea to describe how windy it is.

Beaufort number	Wind speed (mph)	Description
0	Less than 1	Calm
1	1-3	Light air
2	4-7	Light breeze
3	8-12	Gentle breeze
4	13-17	Moderate breeze
5	18-24	Fresh breeze
6	25-30	Strong breeze
7	31-38	High wind
8	39-46	Gale
9	47-54	Strong gale
10	55-63	Storm
11	64-72	Violent storm
12	Greater than 73	Hurricane force

1) If the wind was blowing at 20mph, what is the beaufort number? ____

2) If the wind was blowing at 44mph, what is the description? _____

3) Captain Salamander goes on a 3 day boat trip. On the first day, the wind speed is 30mph. It increases by 8mph on the second day. On the 3rd day it increases again by 20mph. Fill in the information below.

Day 1 - Wind speed: 30 mph Beaufort number: ____

Day 2 - Wind speed: ____ mph Beaufort number ____

Day 3 - Wind speed: ____ mph Beaufort number: ____

Extension:

Go outside and feel the breeze or wind. Choose the description from the table above which best matches the wind today. What is the Beaufort number for this description? Check again later today, to see if the wind has increased or decreased.