



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. One 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: ____





PROBLEM SOLVING - BEAUFORT SCALE ANSWERS

Beaufort number	Wind speed (mph)	Description
0	Less than 1	Calm
1	1-3	Light air
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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? **5**
- 2) If the wind was blowing at 44mph, what is the description? **Gale**
- 3) Captain Salamander goes on a 3 day boat trip. One 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: **5**

Day 2 - Wind speed: **38** mph Beaufort number **7**

Day 3 - Wind speed: **58** mph Beaufort number: **10**

