

The Beaufort scale

This task is about reading scales given in a table form.

B.No.	Description	Knots	Km/h	How to recognise
0	Calm	0 - 1	0 - 2	Smoke rises straight up
1	Light Air	1 - 3	3 - 6	Smoke drifts
2	Light Breeze	4 - 6	7 - 11	Wind felt on face; leaves rustle
3	Gentle Breeze	7 - 10	12 - 19	Flags flap, twigs move all the time
4	Moderate Breeze	11 - 16	20 - 28	Papers blow; small branches move.
5	Fresh Breeze	17 - 21	29 - 38	Small trees sway
6	Strong Breeze	22 - 27	39 - 49	Large branches move, wind whistles
7	Near Gale	28 - 33	50 - 61	Whole trees sway
8	Gale	34 - 40	62 - 74	Twigs break off, Gale warning on radio
9	Strong gale	41 - 47	75 - 88	Large branches break, some damage
10	Storm	48 - 55	89 - 102	Trees uprooted; major damage
11	Violent Storm	56 - 63	103 - 117	DANGER - TAKE SHELTER
12	Hurricane Force	64+	118+	DISASTROUS

Answer the following questions using the Beaufort Scale.

a) How fast would the wind be blowing to make large trees sway? km/h.

b) What Beaufort number (B.No.) is given to wind travelling at 95 km/h?

0/ 1/ 2/ 3/ 4/ 5/ 6/ 7/ 8/ 9/ 10/ 11/ 12

c) What description is given to wind travelling at 24 km/hr?

*Calm/ Light Air/ Light Breeze/ Gentle Breeze/ Moderate Breeze/ Fresh Breeze/ Strong Breeze
/ Near Gale/ Gale/ Strong Gale/ Storm/ Violent Storm/ Hurricane Force*

d) About how fast is 50 knots? (*Select one*)

(A) 89 km/h

(B) 92 km/h

(C) 98 km/h

(D) 100 km/h

e) i) What Beaufort number (B. No.) would you give the wind today using the Beaufort Scale?

ii) Explain why you gave it that number.