



Degree heating weeks

Worksheet. Practice data for a reef in the central Philippines

Name: _____

Usual summer maximum: 29.5°C

Week	Sea temp (°C)	Above max (°C)	Counts? (1°C or more)
1	29.2		
2	29.6		
3	30.1		
4	30.6		
5	30.9		
6	31.2		
7	31.0		
8	31.4		
9	31.6		
10	31.3		
11	30.8		
12	30.4		
13	30.9		
14	30.2		
15	29.8		
16	29.4		

1. For each week, work out how far the temperature is above 29.5°C.

2. Only weeks at 1°C or more above count. Add up those values for weeks 2 to 13.

3. DHW at week 13 =

4. Which NOAA alert level is this?

5. Which week had the most heat stress?

6. What would you expect divers to find on this reef in week 14?

Alert levels: 4 to 8 DHW level 1, 8 to 12 level 2, 12 to 16 level 3, 16 to 20 level 4, 20 or more level 5.