

1. MASABA METEROLOGICAL

	STATION											
	MONTHLY TEMPERATURES (°C)											
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2001	38.5	40	38	35	36	37						
2002	37.7	40	35.6	36.9	39	35						
2003	37.5	40	37.6	37	35	34						
2004	40	40.1	37.2	35.6	34.8	34.9						
2005	35.7	38	38.5	37.4	32.9	36.8						
2006	39.4	39.5	33.7	35	33.8	39.7						
2007	40.1	40	37	34	35	37						
2008	38.9	34.8	39	37	39.1	38						
2009	36.6	36	38	37.3	37.6	34						

(a) Create a workbook to store the above data and save it as Metro (10mks)

(b) Given that the temperature of January were 10% above the month of July to December in all the years respectively.

i) Using absolute cell referencng, calculate the monthly temperature of July to December for 2001 to 2009. (6mks)

ii) Format all numeric values to 2 decimal places. (2mks)

(c) Using appropriate formula, calculate:

i) The average year temperature for each year. (2mks)

ii) Average monthly temperature for each month. (2mks)

(d) Use if function to declare the temperature remark

(i) 'Hot' if monthly average temperature is greater than 38 (3mks)

ii) 'Moderate' if monthly average is greater or equal 36 (3mks)

iii) Cold if monthly average is less 36 (3mks)

(e) Use the function to count the number of months which are;

i) Hot (1mk)

ii) Moderate (1mk)

iii) Cold (1mk)

(f) Format the table as follows (2mks)

i) Centre the titles and subtitles across the page. (3mks)

ii) Align centre all temperatures. (2mks)

(g) Apply borders to cells in the worksheet as follows.

i) Double line for outline border (1mk)

- ii) Dotted line for vertical inside border (1mk)
- iii) Dashed line for horizontal inside borders (1mk)
- (h) (i) Rename the current worksheet as Metro 2 (2mks)
- (ii) Copy Metro 2 to blank sheet and rename as Metro 3 (2mks)
- I (i) insert your name and index no as a footer at the centre in each sheet (2mks)
- ii) Print all the worksheets. (3mks)

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