

2. Use your thermometer again to help here :-

(Remember :-  $8 - 11$  means "go to 8, then move **down** by 11").

- |   |            |   |              |   |             |   |               |
|---|------------|---|--------------|---|-------------|---|---------------|
| a | $12 - 5$   | b | $19 - 19$    | c | $20 - 1$    | d | $5 - 11$      |
| e | $9 - 14$   | f | $8 - 18$     | g | $0 - 25$    | h | $(-1) - 7$    |
| i | $(-2) - 5$ | j | $(-18) - 6$  | k | $(-1) - 23$ | l | $0 - 27$      |
| m | $18 - 38$  | n | $(-14) - 27$ | o | $150 - 450$ | p | $(-159) - 41$ |

3. The rule is simple.

- Picture the first number on your thermometer.
- If you **add** a positive number move **up**.
- If you **add** a **negative** number or **subtract** a number move **down**.

- |   |             |   |              |   |              |   |                 |
|---|-------------|---|--------------|---|--------------|---|-----------------|
| a | $4 + 9$     | b | $6 + (-10)$  | c | $2 - 12$     | d | $(-3) + 13$     |
| e | $-5 + (-7)$ | f | $14 - 16$    | g | $(-5) - 9$   | h | $(-31) + (-21)$ |
| i | $-21 + 36$  | j | $0 - 46$     | k | $0 + (-17)$  | l | $(-19) + (-4)$  |
| m | $17 + (-8)$ | n | $(-16) + 15$ | o | $(-48) + 48$ | p | $63 - 87$       |

4. Calculate :-

- |   |                      |   |                    |
|---|----------------------|---|--------------------|
| a | $4 + (-1) + 2$       | b | $5 + (-6) + 1$     |
| c | $(-7) + 4 + 5$       | d | $9 + (-8) + (-3)$  |
| e | $(-12) - 3 - 5$      | f | $1 + (-8) - 7$     |
| g | $(-3) + (-1) + 8$    | h | $(-5) + (-7) + 11$ |
| i | $(-6) + (-3) + (-9)$ | j | $23 + (-3) - 21$   |
| k | $5 + (-25) - 30$     | l | $-100 - 300 - 500$ |

5. Try these :-

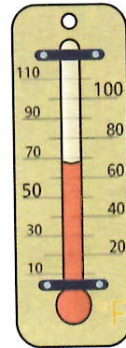
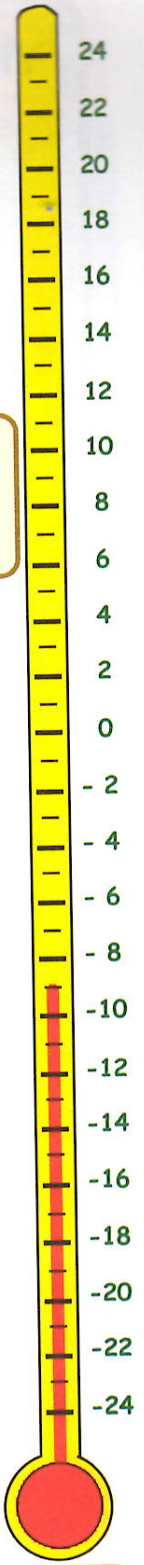
- |   |                             |   |                           |
|---|-----------------------------|---|---------------------------|
| a | $2 + 3 + 4 + 5$             | b | $6 + 7 + 8 + (-4)$        |
| c | $3 + 6 + (-5) + (-6)$       | d | $7 + (-2) + (-3) + (-5)$  |
| e | $(-2) + (-4) + (-6) + (-8)$ | f | $(-3) + (-5) + (-7) + 18$ |
| g | $20 + (-21) + 9 + (-8)$     | h | $15 - 8 - 3 - 7$          |
| i | $(-10) - 7 + 12 - 1$        | j | $100 - (50 + 20 + 10)$    |
| k | $80 + (10 - 20 - 30)$       | l | $-100 - 300 - 500 - 100$  |

6. a Quickly !! What do you think the answer to  $7 - (-1)$  is ?

If you think the answer is 6 or -6, you are wrong. The answer in fact is 8 !!

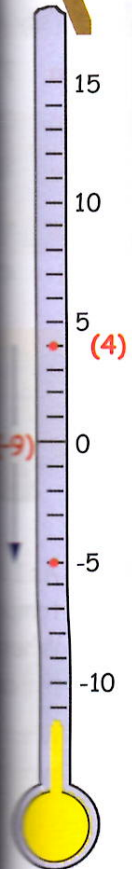
Look at the thermometer, find 7 and -1 and count from -1 up to 7. The answer ??

- |         |            |            |            |            |             |            |             |
|---------|------------|------------|------------|------------|-------------|------------|-------------|
| Find :- | b          | $4 - (-1)$ | c          | $8 - (-3)$ | d           | $2 - (-2)$ |             |
| e       | $1 - (-4)$ | f          | $0 - (-3)$ | g          | $-2 - (-6)$ | h          | $-7 - (-3)$ |



freezer.

add  
subtract  
numbers



Numbers