Summer week 5 Lesson 5-22.05.20

## LO: To measure angles in degrees

## Model


(South)


Turning from N to S is $180^{\circ}$ clockwise or anticlockwise

Turning from NE to SE is $90^{\circ}$ clockwise (or $270^{\circ}$ anticlockwise)

Turning clock wise from NE to E is $45^{\circ}$ (or $315^{\circ}$ anticlockwise)


1a. Sally is correct because a right angle ( $90^{\circ}$ ) turn clockwise will reach North. Fahad is also correct as a $270^{\circ}$ turn anti- clockwise will also reach North.
2a. $N$ and $E$ clockwise or $S$ and $E$ if anti- clockwise.
3a. 5 quarter turns clockwise - 13:30 or
6 quarter turns clockwise - 13:45
1b. Tara is correct because a 2 turn in either direction will have them facing South.
2b. W clockwise or E anti-clockwise.
3b. 4 quarter turns clockwise - 19:30 or 5 quarter turns clockwise - 19:45

## Spicy/Red Hot



7a. Hafash is correct because after the $45^{\circ}$ turn she will be facing $W$. Then a whole turn is $360^{\circ}$ which is greater than $45^{\circ}$ and she will be facing $W$ again. 8a. NE, N, NW, W and SW.
9a. 7 twelfth turns clockwise - 19:22;
8 twelfth turns clockwise - 19:27; 7 twelfth turns anti-clockwise - 18:12; 8 twelfth turns anti-clockwise - 18:07

7b. Hattie is correct because if she turns clockwise ${ }^{3}$, this will be a $135^{\circ}$ turn and
she will be facing $S$. Then if she turns a reflex angle of $270^{\circ}$ anti-clockwise she will be facing $W$.
8b. N, NE, NW, SW, W
9b. 6 twelfth turns clockwise - 05:41, 7 twelfth turns clockwise - 05:46; 6 twelfth turns anti-clockwise - 04:41; 7 twelfth turns anti-clockwise - 04:36

