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DIRECTORATE SENIOR CURRICULUM MANAGEMENT (SEN-FET)

HOME SCHOOLING SELF-STUDY WORKSHEET

SUBJECT	Maritime Economics	GRADE	11	DATE	7/4/20
TOPIC	Shipping Operations	TERM 1 REVISION	X	TERM 2 CONTENT	x
TIME ALLOCATION	30min	<u>TIPS TO KEEP HEALTHY</u> 1. WASH YOUR HANDS thoroughly with soap and water for at least 20 seconds. Alternatively, use hand sanitizer with an alcohol content of at least 60%. 2. PRACTICE SOCIAL DISTANCING – keep a distance of 1m away from other people. 3. PRACTISE GOOD RESPIRATORY HYGIENE: cough or sneeze into your elbow or tissue and dispose of the tissue immediately after use. 4. TRY NOT TO TOUCH YOUR FACE. The virus can be transferred from your hands to your nose, mouth and eyes. It can then enter your body and make you sick. 5. STAY AT HOME.			
INSTRUCTIONS	This worksheet is to be completed in your MRTE exercise/activity book.				

Question 5

The route for *Halifax Sun* is shown below.

- The figures in bracket show the number of days the ship will be in port
- The number of days on the voyage between ports are given
- She will take a full stem of bunkers at Durban. She will bunker at Las Palmas on the northbound voyage and probably won't need to bunker again for the voyage.
- Her charter (from loading at Durban to finish discharge in Cape Town) includes the loading of a cargo of machinery in her holds and 170 40-foot containers on deck

Durban (6days) – Las Palmas (1day)	15days
Las Palmas – Oslo (3days)	06 days
Oslo – Bergen (4days)	01 day
Bergen – Rotterdam (6days)	02days
Rotterdam – Cape Town (5days +3 days at anchor)	17 days

2.1. How many days will *Halifax Sun* be at sea during the voyage from Durban to Norway and back to Cape Town? Include the days off anchor in Cape Town. (4)

2.2. How many days will she be in port from the time she arrives in Durban until she finishes discharging in Cape Town? (4)

- 2.3. How many days will she be on charter from the time she arrives in Durban until she finishes discharging in Cape Town? (4)
- 2.4. Note her heavy oil capacity. She only consumes heavy oil at sea.
- 2.4.1. How many tons of HFO will she use from Durban to Las Palmas? (4)
- 2.4.2. How many tons will she have left when she arrives at Las Palmas? (4)
- 2.4.3. If she takes a full stem of HFO in Las Palmas, how many will she take there? (4)
- 2.4.4. She will leave Las Palmas with full bunker tanks. Will that be enough for her to reach Cape Town after calling at Oslo, Bergen and Rotterdam? Give reason for your answer. (4)