

	A	B	C
1	Cost of plastic removal for one island		
2			
3	Fuel cost	1.121	/litre
4	Fuel consumption	102.8	litres/hour
5	Operating speed	15	knots
6	1 knot is	1.15	
7	Crew rate A	8	
8	Crew rate B	4	
9	Port taxes	100	
10			
11	Island code	G5	
12	Island name	=VLOOKUP(B11,n21islands.csv!\$A\$2:\$D\$86,2,FALSE)	
13	Distance from recycling plant	=VLOOKUP(B11,n21islands.csv!\$A\$2:\$D\$86,4,0)	miles
14	Return distance	=2*B13	miles

B12 =VLOOKUP(...)  
B11 or \$B\$11  
n21islands.csv!\$A\$2:\$D\$86 or \$B\$86  
,2  
,FALSE

1 mark  
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1 mark

B13 =VLOOKUP(...)  
\$B\$11, n21islands.csv!\$A\$2:\$D\$86  
,4,0

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1 mark

	A	B	C
1	Cost of plastic removal for one island		
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3	Fuel cost	1.121	
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9	Port taxes	100	
10			
11	Island code	G5	
12	Island name	=VLOOKUP(B11,n21islands.csv!\$A\$2:\$D\$86,2,FALSE)	
13	Distance from recycling plant	=VLOOKUP(B11,n21islands.csv!\$A\$2:\$D\$86,4,0)	miles
14	Return distance	=2*B13	miles
15	Return journey time	=ROUNDUP(B14/(B5*B6),0)	hours
16	Fuel used for journey	=B15*B4	litres
17	Fuel cost for journey	=B16*B3	
18	Number of crew required	=IF(B15<10,4,IF(B15>15,9,6))	
19	Cost of crew	=B15*(2*B7+(B18-2)*B8)	
20	Total cost of journey	=B17+B19+B9	

B14 =2\*B13

B15 =ROUNDUP( ... )  
... ,0  
B14/  
(B5\*B6)

B16 =B15\*B4

B17 =B16\*B3

B18 Nested IF (2 or 3 tiers)  
IF B15<10 ...  
... Returns 4  
IF B15 >= 10 and B15 <=15 ...  
... Returns 6  
IF B15 >15 ...  
... Returns 9

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1 mark  
1 mark  
1 mark

B19 B15\*( ... )  
2\*B7+  
(B18-2)\*B8

B20 =B17+B19+B9  
Gridlines, row and col headings displayed  
Landscape & fully visible

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1 mark

Footer **Costs prepared by:** space Name & numbers 1 mark  
...space on space date 1 mark  
Right aligned 1 mark

Costs prepared by: A Candidate ZZ999 9999 on 08/03/2021

## Cost of plastic removal for one island

Fuel cost	\$1.12 /litre
Fuel consumption	102.8 litres/hour
Operating speed	15 knots
1 knot is	1.15 mph
Crew rate A	\$8.00 \$ per hour
Crew rate B	\$4.00 \$ per hour
Port taxes	\$100.00

Island code	M1
Island name	Boahuraa
Distance from recycling plant	75 miles
Return distance	150 miles
Return journey time	9 hours
Fuel used for journey	925.2 litres
Fuel cost for journey	\$1,037.15
Number of crew required	4
Cost of crew	\$216.00
Total cost of journey	\$1,353.15

Rows 1 & 2	Inserted	1 mark
Row 1	<b>Cost of plastic removal for one island</b>	1 mark
	Cells A1:C1 merged and centre aligned	1 mark
	All text wrapped on only 2 lines	1 mark
	26 point	1 mark
	White sans-serif font	1 mark
	Dark blue background	1 mark
Row 2	Half height of row 3	1 mark
Column 1	Right aligned	1 mark
Currency	Cells B3,B9,B17,B19,B20 as \$ with 2dp	1 mark
Values	Single portrait page and fully visible	1 mark
	No gridlines, row and col headings	1 mark

## Cost of plastic removal for one island

Fuel cost	\$1.12 /litre
Fuel consumption	102.8 litres/hour
Operating speed	15 knots
1 knot is	1.15 mph
Crew rate A	\$8.00 \$ per hour
Crew rate B	\$4.00 \$ per hour
Port taxes	\$100.00

Island code	G5
Island name	Viligillaa
Distance from recycling plant	220 miles
Return distance	440 miles
Return journey time	26 hours
Fuel used for journey	2672.8 litres
Fuel cost for journey	\$2,996.21
Number of crew required	9
Cost of crew	\$1,144.00
Total cost of journey	\$4,240.21

Modelling	Island code set to G5	1 mark
	With correct results	1 mark
	Single portrait page no row and column headings, fully vis	1 mark



```


</td>
<td style="width:30%; height:20%; ">

</td>
</tr>
</table>
</body>
</html>

```

**We recycle your plastic waste**

Above: A beautiful uninhabited island in Huvadhoo Atoll in the Maldives, with miles of pristine beaches.

Right: Until you look closely at the high-water mark on the same beach.

Below: Two more images taken from the shoreline of the same beach, this waste plastic is found all around this and many other islands.

Web page last updated by: A Candidate, ZZ999, 9999

Browser view	In browser, with address bar, and no letters vis	1 mark
Table	No borders/gridlines visible	1 mark
Video	In correct cell	1 mark
Row 3	Text from source file as 3 paragraphs	1 mark
4 <sup>th</sup> paragraph	<b>Web page last updated by: A Cand ZZ999 9999</b>	1 mark
All text	In style h2	1 mark
Images	Correct still images in correct cells	1 mark
	Aspect ratio of all still images maintained	1 mark