Island Numeracy Assessment
Grade 6+: Computational Fluency

Collaborative Activity

In the multiplication table below, the row and the column headings are all missing, and only some of the products in the table are filled in.

All the numbers in the table are positive integers.

What is the value of A + B + C + D + E?

X					
	A	10		20	
	15	B	40		
	18		C	60	
		20		D	24
			56		E

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Assessment Question	Reflections
1. Think of at least two ways to solve 24 X 5. Show your strategies.	
2. Solve $4 + 6 \times 3 \div 2 - 1$	
3. Solve $18 - 2 \times (5 + 3) \div 2$	
4. A family has a compost bin with the following dimensions H = 2.4 m L = 1.2 m W = 1.5 m What is the volume of the compost bin? V = L X W X H	

5. Five friends each bought a bag of fruit which cost $2.47. Estimate how much money they spent altogether? Describe/show your strategy.

6. I divided 6.12 by 3 and wrote down the answer, 2.4. What did I get wrong? Use pictures, words and symbols to explain the mistake.

7. How could you share 1.4 meters of rope evenly between 4 people? Show how you know.

8. You earn $11 each week for your allowance. You are saving up to buy a guitar that costs $237. About how many weeks will it take you to save enough money? Explain your thinking.

9. The zero button on your calculator is broken. Using multiplication, show two different ways you could make the display show 100?

    Show two different ways you could display 100 using only division?

10. If you didn't know the solution for 7 x 8, how could you figure it out? Show your thinking:

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Performance Task

If you place the operation signs, +, -, x, ÷, between the digits below, it is possible to make 100. Try and find at least two ways to equal 100. You may also use brackets ( ).

1   2   3   4   5   6   7   8   9 = 100