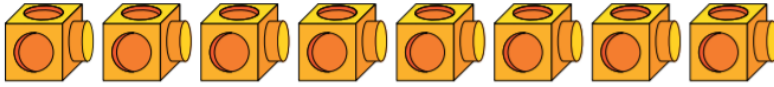


Paddling

- 1 a) Fit 8 multilink cubes together to make a larger cube.



- b) Is it possible to fit 9 multilink cubes together to make a larger cube? _____

Explain your answer.

Extension

 Complete the table.

		8
3^3	$3 \times 3 \times 3$	27
4^3		
5^3	$5 \times 5 \times 5$	
	$6 \times 6 \times 6$	

Snorkelling

3 a) Complete the table of cube numbers.

2^3	$2 \times 2 \times 2$	8
3^3	$3 \times 3 \times 3$	
4^3	$4 \times 4 \times 4$	

b) What would the next cube number in the table be?

$$\square^3 = \square \times \square \times \square = \square$$

Extension

Rosie says,



5^3 is equal to 15

Do you agree?

Explain your answer.

Diving

- 5 a) Which calculation is the same as 6^3 ?

Tick your answer.

6×3

$6 + 6 + 6$

$6 \times 6 \times 6$

- b) Kim has worked out 6^3 using this method.

$$\begin{aligned} 6^3 &= (6 \times 6) \times 6 \\ &= 36 \times 6 \\ &= 216 \end{aligned}$$

	30	6
6	$30 \times 6 = 180$	$6 \times 6 = 36$
	$180 + 36 = 216$	

Is Kim's method correct? _____

How do you know?

Extension

Century tech