



## MVPS Maths Problem Solving Challenge

# TERM 4 – WEEK 5 ~SOLUTIONS~

Congratulations to the following students on successfully solving their maths problem:

Lachlan KT

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Dorothy 1FH

Ashleigh 1P

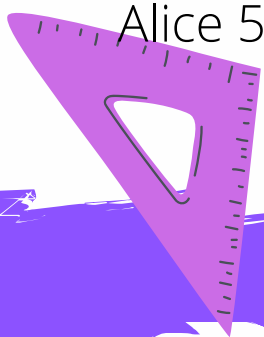
Courtney 2H

Rachel 3H

Emma BC

Alana 5BC

Alice 5BC



*The Maths Committee Team*

### ★ Card Sharp

There are 10 different ways to choose three cards with a total of 12:

0, 3, 9    1, 2, 9    2, 3, 7    3, 4, 5  
0, 4, 8    1, 3, 8    2, 4, 6  
0, 5, 7,    1, 4, 7  
              1, 5, 6

There are 9 different ways to choose four cards with a total of 12:

0, 1, 2, 9    0, 2, 3, 7    1, 2, 3, 6  
0, 1, 3, 8    0, 2, 4, 6    1, 2, 4, 5  
0, 1, 4, 7    0, 3, 4, 5  
0, 1, 5, 6

There's no way to do number 3.

### ★★ Next Door Numbers

For example:

9	1	
5	7	4
3	0	2
	6	8

8	4	
6	0	2
3	9	5
	7	1

### ★★★ Franco's Fast Food

A curry costs \$3.50, a pudding costs \$1 and a tea costs 50c.

So the total cost of a curry, a pudding and a tea is \$5.