

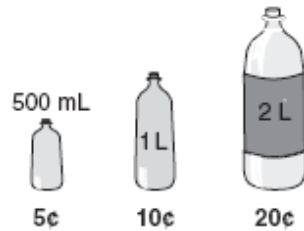
Example of Student Response – Grade 7 FSA Numeracy Question 1

Score	Comments
4	The solution <ul style="list-style-type: none"> • applies relevant skills accurately • appropriate strategies implemented • correct solutions; incorrect solutions were identified

1. Paul received exactly 65¢ for the bottles he returned.

He had **at least one of each** type of bottle.

Find all of the different combinations of bottles that Paul could have returned.



Show **ALL** your work.

(4 marks)

	5¢	10¢	20¢
x	13	0	0
x	11	1	0
x	9	2	0
x	7	3	1
✓	7	1	0
x	5	4	3
✓	5	2	1
x	3	4	0
✓	3	3	1
x	1	1	2
✓	1	0	3
✓	1	4	1
✓	1	2	2
		1	1

Score

There would be 6 combinations of bottles

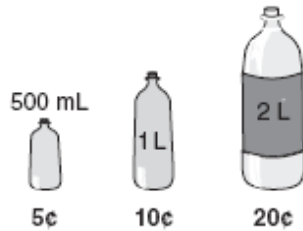
Example of Student Response – Grade 7 FSA Numeracy Question 1

Score	Comments
3	<p>The solution</p> <ul style="list-style-type: none"> • applies relevant skills appropriately • appropriate strategy • partial solution (only found 4 combinations) • work is generally clear

1. Paul received exactly 65¢ for the bottles he returned.

He had **at least one of each** type of bottle.

Find all of the different combinations of bottles that Paul could have returned.



Show **ALL** your work.

(4 marks)

500 mL = 5¢
 1 L = 10¢
 2 L = 20¢
 500 mL = 5¢
 500 mL = 5¢
 500 mL = 5¢
 500 mL = 5¢
 500 mL = 5¢
 500 mL = 5¢
 500 mL = 5¢
 65¢

500 mL = 5¢
 1 L = 10¢
 2 L = 20¢
 1 L = 10¢
 1 L = 10¢
 1 L = 10¢
 65¢

500 mL = 5¢
 1 L = 10¢
 2 L = 20¢
 2 L = 20¢
 1 L = 10¢
 65¢

500 mL = 5¢
 1 L = 10¢
 2 L = 20¢
 2 L = 20¢
 500 mL = 5¢
 500 mL = 5¢
 65¢

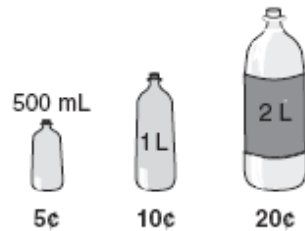
Example of Student Response – Grade 7 FSA Numeracy Question 1

Score	Comments
2	<p>The solution</p> <ul style="list-style-type: none"> • applies relevant concepts and skills appropriately • appropriate strategy implemented incorrectly; • partial solution; only 1 correct combination (2nd to last) • work is generally clear

1. Paul received exactly 65¢ for the bottles he returned.

He had **at least one of each** type of bottle.

Find all of the different combinations of bottles that Paul could have returned.



Show **ALL** your work.

(4 marks)

$10 \times 6 + 5$
$5 \times 10 + 10 + 5$
$20 + 20 + 20 + 5$
$10 \times 5 + 10 + 5$
$20 + 20 + 10 + 5 + 10$
$20 \times 3 + 5$

I was able to find six different ways.

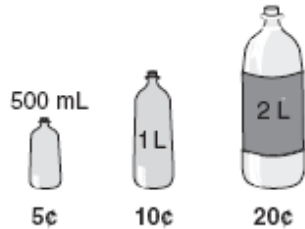
Example of Student Response – Grade 7 FSA Numeracy Question 1

Score	Comments
1	<p>The solution</p> <ul style="list-style-type: none"> • relevant concepts and skills are not applied appropriately an inappropriate strategy • incorrect solution • a start beyond just copying data

1. Paul received exactly 65¢ for the bottles he returned.

He had **at least one of each** type of bottle.

Find all of the different combinations of bottles that Paul could have returned.



Show **ALL** your work.

(4 marks)

	5¢	10¢	20¢
1	5¢	10¢	20¢
2	10¢	20¢	5¢
3	5¢	20¢	10¢
4	10¢	5¢	20¢
5	20¢	10¢	5¢
6	20¢	5¢	10¢

there are 6 combinations.