

FSA Exemplars

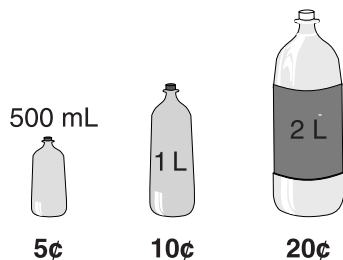
Grade 7 Numeracy

FSA 2009 Grade 7 Numeracy Question 1

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.

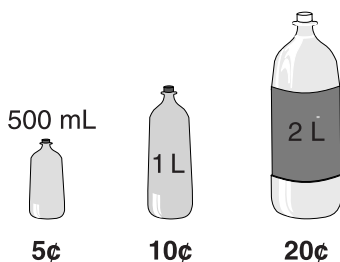
(4 marks)

2009 Foundation Skills Assessment
Grade 7
Numeracy Solutions

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.

SCORING RATIONALES

Concept: There are several different ways to combine amounts to make the same total.

Strategies: An appropriate strategy allows the child to find all combinations and knows when to stop.

Accuracy: There are 6 ways to do this.

Representation

Communication: The marker should easily be able to follow the child's thinking.

Solution 1:

2 L (20¢)	1 L (10¢)	500 mL (5¢)
1 (20¢)	2 (20¢)	5 (25¢)
1 (20¢)	3 (30¢)	3 (15¢)
1 (20¢)	4 (40¢)	1 (5¢)
1 (20¢)	1 (10¢)	7 (35¢)
2 (40¢)	1 (10¢)	3 (15¢)
2 (40¢)	2 (20¢)	1 (5¢)

There are six ways.

Solution 2:

$20 + 20 + 10 + 10 + 5$
 $20 + 20 + 10 + 5 + 5 + 5$
 $20 + 10 + 10 + 10 + 10 + 5$
 $20 + 10 + 10 + 10 + 5 + 5 + 5$
 $20 + 10 + 10 + 5 + 5 + 5 + 5 + 5$
 $20 + 10 + 5 + 5 + 5 + 5 + 5 + 5 + 5$

Solution 3:

20×2 20×2
 10×2 10×1
 5×1 5×3

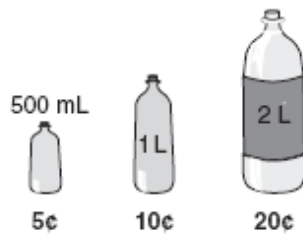
 20×1 20×1 20×1 20×1
 10×4 10×3 10×2 10×1
 5×1 5×3 5×5 5×7

Grade 7 Numeracy Question 1 – Exemplar # 1

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	9	0	1
x	7	3	0
✓	7	1	1
x	5	4	3
✓	5	2	1
✓	5	4	0
✓	3	3	2
✓	3	1	2
x	1	0	3
✓	1	4	1
✓	1	2	2
			1

Score

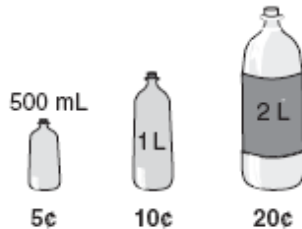
There would be 6 combinations of bottles

Grade 7 Numeracy Question 1 – Exemplar # 2

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)

have returned.

Handwritten work showing a list of combinations of bottles (500 mL, 1 L, 2 L) with checkmarks and crosses indicating which combinations are valid. The combinations listed are:

- 1 2L, 1 1L, 1 500 mL (checked)
- 1 2L, 2 1L (checked)
- 1 2L, 3 500 mL (checked)
- 2 2L, 1 1L (checked)
- 2 2L, 2 1L (checked)
- 3 2L, 1 1L (checked)
- 4 2L (checked)
- 1 2L, 1 1L, 1 500 mL (checked)
- 1 2L, 2 1L, 1 500 mL (checked)
- 1 2L, 3 500 mL (checked)
- 2 2L, 1 1L, 1 500 mL (checked)
- 2 2L, 2 1L, 1 500 mL (checked)
- 3 2L, 1 1L, 1 500 mL (checked)
- 4 2L, 1 1L, 1 500 mL (checked)
- 1 2L, 2 1L, 2 500 mL (checked)
- 1 2L, 3 1L, 1 500 mL (checked)
- 1 2L, 4 1L (checked)
- 1 2L, 1 1L, 2 500 mL (checked)
- 1 2L, 2 1L, 3 500 mL (checked)
- 1 2L, 3 1L, 2 500 mL (checked)
- 1 2L, 4 1L, 1 500 mL (checked)
- 2 2L, 1 1L, 2 500 mL (checked)
- 2 2L, 2 1L, 3 500 mL (checked)
- 3 2L, 1 1L, 3 500 mL (checked)
- 3 2L, 2 1L (checked)
- 4 2L, 1 1L (checked)
- 4 2L, 2 1L (checked)
- 5 2L (checked)
- 1 2L, 1 1L, 3 500 mL (checked)
- 1 2L, 2 1L, 4 500 mL (checked)
- 1 2L, 3 1L, 3 500 mL (checked)
- 1 2L, 4 1L, 2 500 mL (checked)
- 1 2L, 5 1L (checked)
- 2 2L, 1 1L, 4 500 mL (checked)
- 2 2L, 2 1L, 3 500 mL (checked)
- 2 2L, 3 1L, 2 500 mL (checked)
- 2 2L, 4 1L, 1 500 mL (checked)
- 3 2L, 1 1L, 4 500 mL (checked)
- 3 2L, 2 1L, 3 500 mL (checked)
- 3 2L, 3 1L, 2 500 mL (checked)
- 3 2L, 4 1L, 1 500 mL (checked)
- 4 2L, 1 1L, 3 500 mL (checked)
- 4 2L, 2 1L, 2 500 mL (checked)
- 4 2L, 3 1L, 1 500 mL (checked)
- 4 2L, 4 1L (checked)
- 5 2L, 1 1L, 2 500 mL (checked)
- 5 2L, 2 1L, 1 500 mL (checked)
- 5 2L, 3 1L (checked)
- 5 2L, 4 1L (checked)
- 5 2L, 5 1L (checked)
- 6 2L (checked)

Show ALL your work.

(4 marks)

35¢ Combos

- 2L, 2L, 1L, 1L + 500mL
- 20 + 20 + 10 + 10 + 5
- 2L, 2L, 1L, 3 500mL
- 2L, 1L, 7 500mL
- ~~5 500mL~~
- 5 500mL, 2L, 2 1Ls
- 3 1Ls, 2L, 3 500mLs
- 4 1Ls, 2L, 500mL

I found 7 combos by making a list of all the possible cans used.

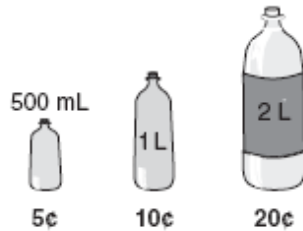
Score

Grade 7 Numeracy Question 1 – Exemplar # 3

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)

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

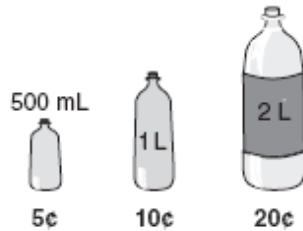
Paul could have used 6 different combinations of bottles.

Grade 7 Numeracy Question 1 – Exemplar # 4

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)

Handwritten student work showing four different methods to solve the problem. Each method lists the value of each bottle type and then finds combinations that sum to 65¢.

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¢

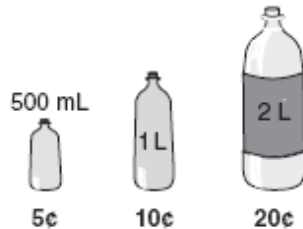
500 mL = 5¢
 1 L = 10¢
 2 L = 20¢
 2 L = 20¢
 500 mL = 5¢
 500 mL = 5¢
 65¢

Grade 7 Numeracy Question 1 – Exemplar # 5

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)

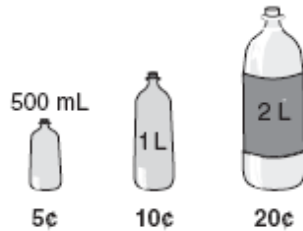
Bottles			Amount
5¢	10¢	20¢	
13x5	0x10	0x20	65¢
11x5	1x10	0x20	65¢
9x5	2x10	0x20	65¢
7x5	3x10	0x20	65¢
5x5	4x10	0x20	65¢
3x5	5x10	0x20	65¢
1x5	6x10	0x20	65¢
1x5	0x10	3x20	65¢
1x5	2x10	2x20	65¢
1x5	4x10	1x20	65¢
9x5	0x10	1x20	65¢
5x5	0x10	2x20	65¢
7x5	1x10	1x20	65¢
3x5	3x10	1x20	65¢
5x5	2x10	1x20	65¢
3x5	1x10	2x20	65¢

Grade 7 Numeracy Question 1 – Exemplar # 6

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)

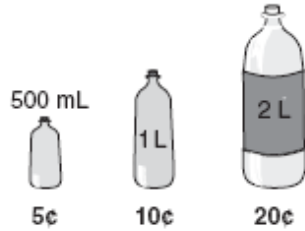
500 mL 5¢	1 L 10¢	2 L 20¢	total
2	2	2	65¢
3	3	1	65¢
3	1	2	65¢
5	2	1	65¢
1	6	0	65¢
9	0	1	65¢
1	0	3	65

Grade 7 Numeracy Question 1 – Exemplar # 7

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)

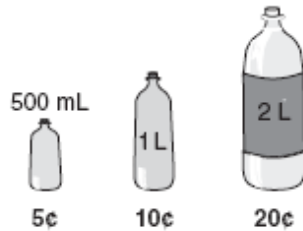
5¢	10¢	20¢	total

Grade 7 Numeracy Question 1 – Exemplar # 8

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)

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

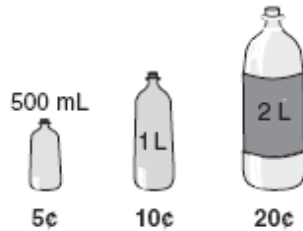
I was able to find six different ways.

Grade 7 Numeracy Question 1 – Exemplar # 9

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)

Show ALL your work. (4 marks)

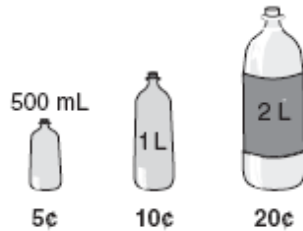
Bottles			money he got back	could this be what Paul returned?	yes	no
500 mL	1 L	2 L			✓	✗
1	1	1	35¢			X
2	2	2	70¢			X
1	2	2	65¢	✓		
1	1	2				

Grade 7 Numeracy Question 1 – Exemplar # 10

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)

$$2L + 1L + 2L + 1L + 500\text{ mL} = 65$$

$$1L \times 6 + 500\text{ mL} = 65$$

$$2L \times 3 + 500\text{ mL} = 65$$

$$500\text{ mL} \times 7 = 65$$

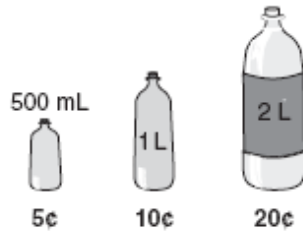
$$1L \times 4 + 2L \times 500\text{ mL} = 65$$

Grade 7 Numeracy Question 1 – Exemplar # 11

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¢

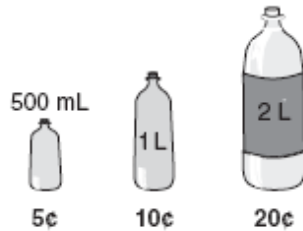
there are 6 combinations.

Grade 7 Numeracy Question 1 – Exemplar # 12

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)

$$2L + 1L + 500ML =$$

$$\begin{array}{r} 5 \\ +10 \\ \hline 20 \\ \hline 3.5 \end{array}$$

$$\begin{array}{r} 500 \\ 393 \\ \hline 503 \end{array}$$

?

$$\begin{array}{r} 5 \\ \times 10 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 500 \\ \times 5 \\ \hline 2500 \\ \hline 25.00 \end{array}$$

FSA 2009 Grade 7 Numeracy Question 2

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

SCORING RATIONALES

Concept: To be able to identify and extend a pattern, to find the sum of a series of numbers.

Strategies: An appropriate strategy allows the child to find the pattern, extend it and find the total sum.

Accuracy: The total amount raised is \$2945.

Representation

Communication: The marker should be able to easily follow the child's thinking.

Solution 1:

Day	1	2	3	4	5	...	16	...	27	28	29	30	31
Amount	20	25	30	35	40		95		150	155	160	165	170

$$5n + 15 \rightarrow 5(n + 3)$$

$n = \text{day number}$

$$\text{Day 1} \rightarrow 5(n + 3) \rightarrow 5(1 + 3) \Rightarrow 5(4) = 20$$

$$\text{Day 2} \rightarrow 5(n + 3) \rightarrow 5(2 + 3) \Rightarrow 5(5) = 25$$

$$\text{Day 3} \rightarrow 5(n + 3) \rightarrow 5(3 + 3) \Rightarrow 5(6) = 30$$

⋮

$$\text{Day 31} \rightarrow 5(n + 3) \rightarrow 5(31 + 3) \Rightarrow 5(34)$$

$$15 \times 190 = 2850$$

$$\begin{array}{r} + 95 \\ \hline 2945 \end{array}$$

A total of \$2945 was raised.

Solution 2:

$$8 \rightarrow 20, 25, 30, 35, 40, 45, 50, 55$$

$$8 \rightarrow 60, 65, 70, 75, 80, 85, 90, 95$$

$$8 \rightarrow 100, 105, 110, 115, 120, 125, 130, 135$$

$$7 \rightarrow 140, 145, 150, 155, 160, 165, 170$$

$$\text{Row 1} \quad 75 \times 4 = 300$$

$$\text{Row 2} \quad 155 \times 4 = 620$$

$$\text{Row 3} \quad 235 \times 4 = 940$$

$$\text{Row 4} \quad 3 \times 310 = 930$$

$$\begin{array}{r} + 155 \\ \hline 2945 \end{array}$$

A total of \$2945 was raised.

Grade 7 Numeracy Question 2 – Exemplar # 1

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

Day	Money Raised
1	\$ 20
2	\$ 25
3	\$ 30
4	\$ 35
5	\$ 40
6	\$ 45
7	\$ 50
8	\$ 55
9	\$ 60
10	\$ 65
11	\$ 70
12	\$ 75
13	\$ 80
14	\$ 85
15	\$ 90
16	\$ 95
17	\$ 100
18	\$ 105
19	\$ 110
20	\$ 115
21	\$ 120
22	\$ 125
23	\$ 130
24	\$ 135
25	\$ 140
26	\$ 145
27	\$ 150
28	\$ 155
29	\$ 160
30	\$ 165
31	\$ 170

The pattern is they count by 5 all the way out.

The total money they raised was \$2935 because when you add all the money from each day you get the total of \$2935.

(my work)



END OF PART 6

\$2935 is the total for January.

Score

Grade 7 Numeracy Question 2 – Exemplar # 2

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____

20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
+130
1725

They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

135
140
145
150
155
160
165
+170
1220

1220
+1725
\$2945



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

the total amount raised was \$2945

Grade 7 Numeracy Question 2 – Exemplar # 3

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

$$\begin{array}{r} 2 \\ 311 \\ - 4 \\ \hline 27 \end{array}$$

$$27 \times 5 = 135$$

$$\begin{array}{r} 1 \\ \$135.00 \\ + \$35.00 \\ \hline 170.00 \end{array}$$

Grade 7 Numeracy Question 2 – Exemplar # 4

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

5 | 40
6 | 45
7 | 50
8 | 55
9 | 60
10 | 65
11 | 70
12 | 75
13 | 80
14 | 85

15 | 90
16 | 95
17 | 100
18 | 105
19 | 110
20 | 115
21 | 120
22 | 125
23 | 130

24 | 135
25 | 140
26 | 145
27 | 150
28 | 155
29 | 160
30 | 165
31 | 170

add all #'s
all #'s added = 2085
the class raised \$208.5

Grade 7 Numeracy Question 2 – Exemplar # 5

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

$$\begin{array}{l}
 \$35.00 + 5 \\
 \$40.00 + 5 \\
 \text{ect.}
 \end{array}
 \qquad
 \begin{array}{l}
 \text{day 10 } \$65.00 \\
 \text{day 20 } \$115.00 \\
 \text{day 30 } 170.00
 \end{array}$$

by the end of the month they raised
\$170.00

Grade 7 Numeracy Question 2 – Exemplar # 6

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

Day	Money each Day
1	\$ 20.00
2	\$ 25.00
3	\$ 30.00
4	\$ 35.00
5	\$ 40.00
10	\$ 65.00
28	\$ 90.00
31	\$ 105.00

Grade 7 Numeracy Question 2 – Exemplar # 7

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

$$\begin{array}{r} 31 \\ \times 5 \\ \hline 155 \end{array} + \begin{array}{r} 155 \\ 20 \\ \hline 175 \end{array}$$

The total amount raised during the 31 days are 175\$.

Grade 7 Numeracy Question 2 – Exemplar # 8

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

5•	•
6•	•
7•	•
31	?
Total for month	\$ _____

They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

$$1 = \$20.00$$

$$2 = \$25.00$$

$$3 = \$30.00$$

$$4 = \$35.00$$

$$5 = \$40.00$$

$$6 = \$45.00$$

Grade 7 Numeracy Question 2 – Exemplar # 9

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

Total for month	\$ <u>155.00</u>
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They will count all the money on January 31.

If the pattern continues, what will be the **total amount of n** during the 31 days?

Show **ALL** your work.

$$5 \times 31 = 155$$

The school raised \$155.00 by January 31.

Grade 7 Numeracy Question 2 – Exemplar # 10

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

•	$\$40.00$ $\$45.00$ $\$50.00$ $\$55.00$
•	
•	
31	
Total for month	$\$300.00$

They will count all the money on January 31.

If the pattern continues, what will be the **total amount of** during the 31 days?

Show **ALL** your work.

They will have $\$300.00$

Grade 7 Numeracy Question 2 – Exemplar # 11

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

The total amount of money raised during the 31 days is \$155.00.

Day	Money
1	\$20
2	\$25
3	\$30
4	\$35
5	\$40
?	?

$$\begin{array}{r}
 \$31 \\
 \times 5 \\
 \hline
 \$155
 \end{array}$$

The total amount will be \$155.00.



END OF PART 6

Score

Grade 7 Numeracy Question 2 – Exemplar # 12

2. In January, the intermediate classes spent every day raising money for the Food Bank.

Day	Money Raised Each Day
1	\$20.00
2	\$25.00
3	\$30.00
4	\$35.00
•	•
•	•
•	•
31	?
Total for month	\$ _____



They will count all the money on January 31.

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

If the pattern continues, what will be the **total amount of money raised** during the 31 days?

Show **ALL** your work.

(4 marks)

pattern by days

1 20
 2 25
 3 30
 4 35
 5 20
 6 25
 7 30
 8 35
 9 20
 10 25
 11 30
 12 35
 13 20
 14 25
 15 30
 16 35
 17 20
 18 25
 19 30
 20 35
 21 20
 22 25
 23 30

24 35
 25 20
 26 25
 27 30
 28 35
 29 20
 30 25
 31 30

$= \$280$

On January 31st they would have raised \$280.



END OF PART 6

Score