

# M5L1 Place Value

Name: Feyi

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

Tenths	Hundredths	Thousandths

1) Number words :

(i) 3,980,006     3 million 9 hundred eighty thousand and six

(ii) 1,725,000,816     1 billion 7 hundred million eight hundred and six

2) In 762.58

(i) Express in fractions :  $762 \frac{58}{100}$

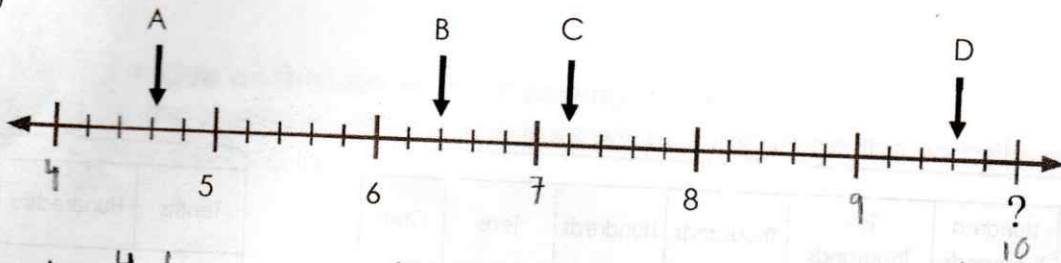
(ii) The difference in value between digit 6 and digit 5 is 59.5.

(iii) The sum in value of digit 6 and digit 8 is 60.08.

(iv) The value of the digit 7 is \_\_\_\_\_ times the value of the digit 2.

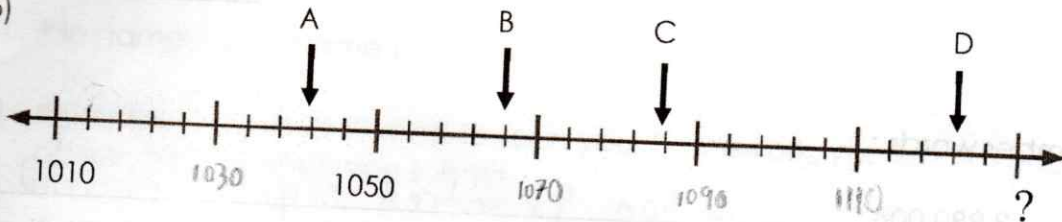
3) Write the numbers / decimals represented by the letters.

a)



$A = 4.6$      $B = 6.4$      $C = 7.2$      $D = 9.6$

b)



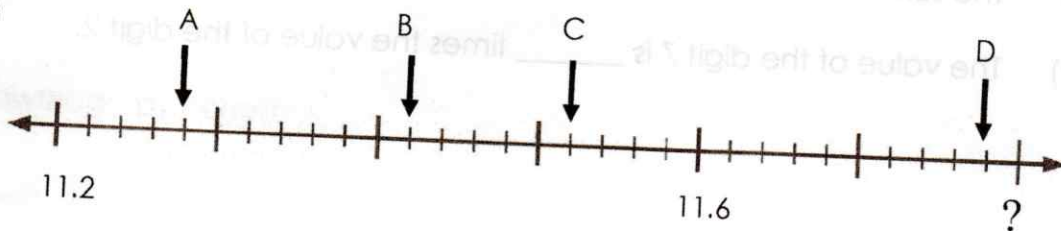
$A = \underline{\hspace{2cm}}$      $B = \underline{\hspace{2cm}}$      $C = \underline{\hspace{2cm}}$      $D = \underline{\hspace{2cm}}$

c)



$A = 25.90$      $B = 26.35$      $C = 26.55$      $D = 27.5$

d)



$A = 11.28$      $B = 11.42$      $C = 11.52$      $D = 11.78$

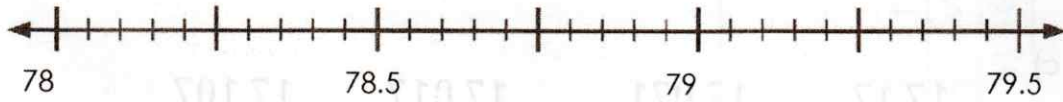
4) Draw an arrow on the number line to mark the position A, B and C.

a)



$$A = 36.6, \quad B = 35.0, \quad C = 41.2$$

b)



$$A = 79.3, \quad B = 78.55, \quad C = 78.15$$

c)



$$A = 19.35, \quad B = 18.9, \quad C = 19.15$$

d)



$$A = 33.6, \quad B = 40.2, \quad C = 37.8$$

5) Arrange the decimals and fractions in decreasing order (from the greatest).

a) 63.045, 63.45, 63.5, 63.405

63.5      63.45      63.405      63.045

b) 9.703, 9.073, 9.37, 9.200

9.703      9.37      9.200      9.073

c) 17.17, 17.071, 17.017, 17.107

17.17      17.107      17.071      17.017

6) Express the following in decimals.

(a) 506 tenths =

(b) 506 tens =

(c) 506 sevenths =

(d) 506 hundredths =

(e) 506 hundreds =

7) The position of digit "0"...

(a) In whole numbers

(b) In decimals

8) Find the value.

<p>a) 31 thousands + 31 hundreds + 31 tens + 31 ones = <u>34441</u></p>	<table border="1"> <thead> <tr> <th>HTh</th> <th>TTh</th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>3</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>3</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td>3</td> <td>1</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HTh	TTh	Th	H	T	O			3	1	0	0			3	1	0	0				3	1	0					3	1							<table border="1"> <thead> <tr> <th>Tths</th> <th>H.ths</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Tths	H.ths										
HTh	TTh	Th	H	T	O																																													
		3	1	0	0																																													
		3	1	0	0																																													
			3	1	0																																													
				3	1																																													
Tths	H.ths																																																	
<p>b) 15 thousands + 25 tens + 25 tenths = <u>15252.5</u></p>	<table border="1"> <thead> <tr> <th>HTh</th> <th>TTh</th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>1</td> <td>5</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HTh	TTh	Th	H	T	O			1	5	0	0					2	5						2													<table border="1"> <thead> <tr> <th>Tths</th> <th>H.ths</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Tths	H.ths					5					
HTh	TTh	Th	H	T	O																																													
		1	5	0	0																																													
				2	5																																													
					2																																													
Tths	H.ths																																																	
5																																																		
<p>c) 61 hundreds + 166 tens + 616 tenths = <u>7821.6</u></p>	<table border="1"> <thead> <tr> <th>HTh</th> <th>TTh</th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>6</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>1</td> <td>6</td> <td>6</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>6</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HTh	TTh	Th	H	T	O			6	1	0	0			1	6	6	0					6	1													<table border="1"> <thead> <tr> <th>Tths</th> <th>H.ths</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Tths	H.ths					6					
HTh	TTh	Th	H	T	O																																													
		6	1	0	0																																													
		1	6	6	0																																													
				6	1																																													
Tths	H.ths																																																	
6																																																		
<p>d) 71 thousands + 722 hundredths + 227 tenths = <u>71029.92</u></p>	<table border="1"> <thead> <tr> <th>HTh</th> <th>TTh</th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>7</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HTh	TTh	Th	H	T	O			7	1	0	0						7					2	2													<table border="1"> <thead> <tr> <th>Tths</th> <th>H.ths</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>2</td> <td>2</td> </tr> <tr> <td>7</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Tths	H.ths					2	2	7			
HTh	TTh	Th	H	T	O																																													
		7	1	0	0																																													
					7																																													
				2	2																																													
Tths	H.ths																																																	
2	2																																																	
7																																																		
<p>e) 55 thousands + 552 hundreds + 255 hundredths = <u>110202.55</u></p>	<table border="1"> <thead> <tr> <th>HTh</th> <th>TTh</th> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>5</td> <td>5</td> <td>0</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>5</td> <td>5</td> <td>2</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	HTh	TTh	Th	H	T	O			5	5	0	0			5	5	2	0						2													<table border="1"> <thead> <tr> <th>Tths</th> <th>H.ths</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td>5</td> <td>5</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Tths	H.ths							5	5		
HTh	TTh	Th	H	T	O																																													
		5	5	0	0																																													
		5	5	2	0																																													
					2																																													
Tths	H.ths																																																	
5	5																																																	

## 9) Rounding Decimals

(i) Round to the **nearest whole number**

$5.71 \approx \underline{6}$
$79.098 \approx \underline{80}$
$47.909 \approx \underline{48}$

$19.19 \approx \underline{19}$

$231.52 \approx \underline{232}$

$79.98 \approx \underline{80}$

$79.711 \approx \underline{80}$

$36.6 \approx \underline{37}$

$111.111 \approx \underline{111}$

(ii) Round to the **nearest tenth or to 1 decimal place**

$15.719 \approx \underline{15.7}$
$79.098 \approx \underline{79.1}$
$47.909 \approx \underline{47.9}$

$19.199 \approx \underline{19.2}$

$231.526 \approx \underline{231.5}$

$79.98 \approx \underline{79.1}$

$79.717 \approx \underline{79.7}$

$36.63 \approx \underline{36.6}$

$111.115 \approx \underline{111.1}$

(iii) Round to the **nearest hundredth or 2 decimal place**

$15.719 \approx \underline{15.72}$
$79.098 \approx \underline{79.10}$
$47.909 \approx \underline{47.91}$

$19.195 \approx \underline{19.20}$

$231.466 \approx \underline{231.50}$

$79.98 \approx \underline{79.10}$

$79.705 \approx \underline{79.71}$

$36.6 \approx \underline{36.70}$

$111.111 \approx \underline{111.11}$

(iv)  $126.026 \approx \underline{126}$  (round to the nearest whole number)

$\approx \underline{130}$  (round to the nearest ten)

$\approx \underline{100}$  (round to the nearest hundred)

$\approx \underline{126.03}$  (round to 2 decimal places)

$\approx \underline{126.3}$  (round to 1 decimal place)

(v)  $6,987.501 \approx \underline{6988}$  (round to the nearest whole number)

$\approx \underline{6990}$  (round to the nearest ten)

$\approx \underline{7000}$  (round to the nearest hundred)

$\approx \underline{7000}$  (round to the nearest thousand)

$\approx \underline{6987.50}$  (round to 2 decimal places)

$\approx \underline{6987.5}$  (round to 1 decimal place)

(vi)  $18,009.976 \approx \underline{18010}$  (round to the nearest whole number)

$\approx \underline{18010}$  (round to the nearest ten)

$\approx \underline{18000}$  (round to the nearest hundred)

$\approx \underline{18000}$  (round to the nearest thousand)

$\approx \underline{18009.98}$  (round to 2 decimal places)

$\approx \underline{18009.9}$  (round to 1 decimal place)

4) Use the following numbers only once : 1, 5, 7, 0, 6, 2, 9

(a) Form the greatest 6-digit ODD number 9765201

(b) Form the greatest 6-digit EVEN number 9765210

(c) Form the smallest 6-digit ODD number 1025679

(d) Form the smallest 6-digit EVEN number 1025796

Review : BEDMAS

Left to Right

\*(Brackets, Exponents, Divide, Multiply, Add, Subtract)

<p>a) <math>230 - 120 + 90 - 25</math></p> $\begin{array}{r} 110 + 90 - 25 \\ \hline 200 - 25 \\ \hline = 175 \end{array}$	<p>b) <math>230 + 120 - 90 - 25</math></p> $\begin{array}{r} 350 - 90 - 25 \\ \hline 260 - 25 \\ \hline = 235 \end{array}$
<p>c) <math>230 - 120 - 90 + 25</math></p> $\begin{array}{r} 110 - 90 + 25 \\ \hline 20 + 25 \\ \hline = 45 \end{array}$	<p>d) <math>48 + 9 \div 3 + 22</math></p> $\begin{array}{r} 9 \div 3 = 3 \\ 3 + 22 = 25 \\ 48 + 25 \\ \hline = 73 \end{array}$
<p>e) <math>(48 + 11) - 36 \times 2</math></p> $\begin{array}{r} 59 - 36 \times 2 \\ \hline 59 - 72 \\ \hline = -13 \end{array}$	<p>f) <math>36 + (18 \div 3 + 22) \times 2</math></p> $\begin{array}{r} 18 \div 3 = 9 \\ 9 + 22 = 31 \\ 31 \times 2 = 62 \\ 62 + 36 \\ \hline = 98 \end{array}$
<p>g) <math>36 + (18 + 9 \times 2) \times 2</math></p> $\begin{array}{r} 18 + 18 = 36 \\ 36 \times 2 = 72 \\ 36 + 72 \\ \hline = 108 \end{array}$	<p>h) <math>36 - (18 - 9 \div 3) \times 2</math></p> $\begin{array}{r} 18 - 3 = 15 \\ 15 \times 2 = 30 \\ 36 - 30 \\ \hline = 6 \end{array}$

i)  $145 - 20 \times 4 + 10 \div 2$   
 $80 + 5 = 85$   
 $145 - 85$   
 $= 60$

j)  $145 + 20 \div 4 - 10 \times 2$   
 $5 \quad 5$   
 $145 + 5 - 5$   
 $= 145$

k)  $145 - (20 + 4 \div 2) \times 2$   
 $80 \div 2 = 40$   
 $40 \times 2 = 80$   
 $145 - 80 = 65$

l)  $145 - (20 - 4 \times 2) \times 2$   
 $16 \times 2 = 32$   
 $32 \times 2 = 64$   
 $145 - 64$   
 $= 71$

m)  $145 - 2(20) \times 2$   
 $40 \times 2 = 80$   
 $145 - 80$   
 $= 65$

n)  $145 - 2(20 - 12) \div 4$   
 $2 \times 8 = 16$   
 $16 \div 4 = 4$   
 $145 - 4$   
 $= 141$

$145$   
 $- 64$   
 $\hline 71$

i)  $145 - 3(11 \times 2) \div 6$   
 $3 \times 22 = 66$   
 $66 \div 6 = 11$   
 $145 - 11 =$   
 $134$

j)  $145 - 5(12 + 10 \div 2)$   
 $5 \times 7 = 35$   
 $145 - 35$   
 $= 110$

o)  $98 \div 2 + 40 - (20 \times 2)$   
 $98 \div 2 + 40 - 40$   
 $49 + 40 - 40$   
 $= 49$

p)  $98 - 2 \times 40 + (20 - 2 \times 6)$   
 $2 \times 40 = 80 \quad 20 - 12 = 8$   
 $98 - 80 + 8$   
 $= 10$

$2 \overline{) 98}$   
 $49$   
 $\hline 18$

Review : BEDMAS

Left to Right

\*(Brackets, Exponents, Divide, Multiply, Add, Subtract)

<p>a) <math>230 - 120 + 90 - 25</math></p> $\begin{array}{r} 110 + 90 - 25 \\ \hline 200 - 25 \\ \hline = 175 \end{array}$	<p>b) <math>230 + 120 - 90 - 25</math></p> $\begin{array}{r} 350 - 90 - 25 \\ \hline 260 - 25 \\ \hline = 235 \end{array}$
<p>c) <math>230 - 120 - 90 + 25</math></p> $\begin{array}{r} 110 - 90 + 25 \\ \hline 20 + 25 \\ \hline = 45 \end{array}$	<p>d) <math>48 + 9 \div 3 + 22</math></p> $\begin{array}{r} 9 \div 3 = 3 \\ 3 + 22 = 25 \\ 48 + 25 \\ \hline = 73 \end{array}$
<p>e) <math>(48 + 11) - 36 \times 2</math></p> $\begin{array}{r} 59 - 36 \times 2 \\ \hline 59 - 72 \\ \hline = -13 \end{array}$	<p>f) <math>36 + (18 \div 3 + 22) \times 2</math></p> $\begin{array}{r} 18 \div 3 = 9 \\ 9 + 22 = 31 \\ 31 \times 2 = 62 \\ 62 + 36 \\ \hline = 98 \end{array}$
<p>g) <math>36 + (18 + 9 \times 2) \times 2</math></p> $\begin{array}{r} 18 + 18 = 36 \\ 36 \times 2 = 72 \\ 36 + 72 \\ \hline = 108 \end{array}$	<p>h) <math>36 - (18 - 9 \div 3) \times 2</math></p> $\begin{array}{r} 18 - 3 = 15 \\ 15 \times 2 = 30 \\ 36 - 30 \\ \hline = 6 \end{array}$

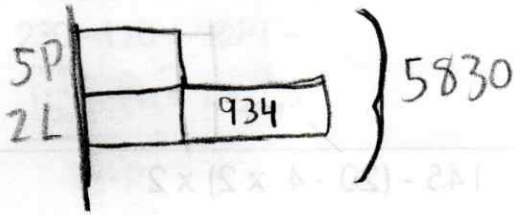
<p>i) <math>145 - 20 \times 4 + 10 \div 2</math></p> $80 + 5 = 85$ $145 - 85 = 60$	<p>j) <math>145 + 20 \div 4 - 10 \times 2</math></p> $5 - 5$ $145 + 5 - 5 = 145$
<p>k) <math>145 - (20 + 4 \div 2) \times 2</math></p> $80 \div 2 = 40$ $40 \times 2 = 80$ $145 - 80 = 65$	<p>l) <math>145 - (20 - 4 \times 2) \times 2</math></p> $16 \times 2 = 32$ $32 \times 2 = 64$ $145 - 64 = 71$
<p>m) <math>145 - 2(20) \times 2</math></p> $40 \times 2 = 80$ $145 - 80 = 65$	<p>n) <math>145 - 2(20 - 12) \div 4</math></p> $2 \times 8 = 16 - 2$ $16 \div 4 = 4$ $145 - 4 = 141$
<p>i) <math>145 - 3(11 \times 2) \div 6</math></p> $3 \times 22 = 66$ $66 \div 6 = 11$ $145 - 11 = 134$	<p>j) <math>145 - 5(12 + 10 \div 2)</math></p> $5 \times 7 = 35$ $145 - 35 = 110$
<p>o) <math>98 \div 2 + 40 - (20 \times 2)</math></p> $98 \div 2 + 40 - 40$ $49 + 40 - 40 = 49$	<p>p) <math>98 - 2 \times 40 + (20 - 2 \times 6)</math></p> $2 \times 40 = 80 \quad 20 - 12 = 8$ $98 - 80 + 8 = 10$

145  
- 64  
-----  
71

49  
2 198

Problem Sums

- \* 1) 5 identical printers and 2 similar laptops cost \$5830. The cost of one laptop cost \$934 more than each printer. What is the cost of 1 laptop ?

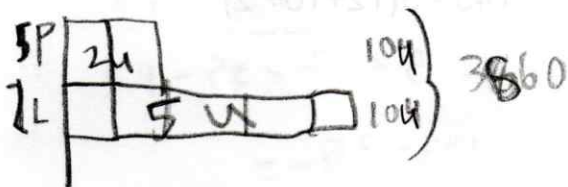


$$\begin{array}{r} 5830 \\ - 934 \\ \hline 4896 \\ 2 \overline{) 4896} \\ \underline{2448} \\ 8 \\ \underline{16} \end{array}$$

$$\begin{array}{r} 2448 \\ + 934 \\ \hline 2382 \end{array}$$

Ans: 2382

- \* 2) 5 identical printers and 2 similar laptops cost \$3860. The cost of each printer is  $\frac{2}{5}$  as much as the cost of each laptop. What is the difference between the cost of a printer and a laptop ?



Each

$$\begin{array}{l} 1P \quad 2u \times 5 = 10u \\ 1L \quad 5u \times 2 = 10u \end{array}$$

$$1P = 2(193)$$

$$1L = 5(193)$$

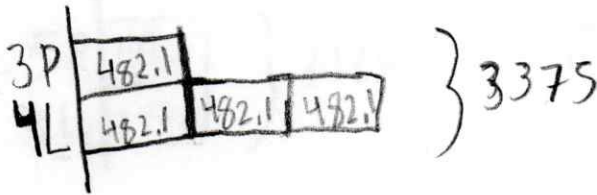
$$20u = 2860$$

$$1u = 193$$

$$\begin{array}{r} 193 \\ \times 3 \\ \hline 579 \end{array}$$

Ans = 579

- 3) 3 identical printers and 4 similar laptops cost \$3375. The cost of each printer is  $\frac{1}{3}$  as much as the cost of each laptop. What is the cost of 2 laptops?



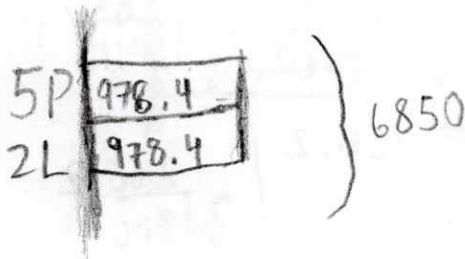
$$\begin{array}{r} 482.1 \\ 7 \overline{) 3375} \\ \underline{28} \\ 57 \\ \underline{56} \\ 15 \\ \underline{14} \\ 1 \end{array}$$

$$\begin{array}{r} 4821 \\ \times 3 \\ \hline 14463 \end{array}$$

$$\begin{array}{r} 7231.1 \\ \hline 211446.3 \end{array}$$

Ans: 7231.1

- \* 4) 5 identical printers and 2 similar laptops cost \$6850. The cost of 5 printers is as much as the cost of 2 laptops. What is the difference of the cost of a printer and a laptop?



$$\begin{aligned} 1L &= 489.2 \\ 1P &= 195.64 \end{aligned}$$

$$\begin{array}{r} 978.4 \\ 7 \overline{) 6850} \\ \underline{63} \\ 55 \\ \underline{49} \\ 60 \\ \underline{56} \\ 4 \end{array}$$

$$\begin{array}{r} 1956.4 \\ 5 \overline{) 9784} \\ \underline{5} \\ 47 \\ \underline{45} \\ 28 \\ \underline{25} \\ 34 \end{array}$$

$$\begin{array}{r} 4892 \\ 2 \overline{) 9784} \\ \underline{8} \\ 17 \\ \underline{16} \\ 18 \end{array}$$

$$\begin{array}{r} 489.20 \\ - 195.64 \\ \hline 283.56 \end{array}$$

Ans: 283.56

- 5) 3 identical printers and 2 similar laptops cost \$2394. The cost of 3 printers is as much as the cost of 2 laptops. How much more is the cost of a laptop than a printer?

~~|    |  |
|----|--|
| 3P |  |
| 2L |  |

} 2394~~

$$\begin{array}{r} 598.5 \\ - 399 \\ \hline 199.5 \end{array}$$

3P	1197
2L	1197

} 2394

$$\begin{aligned} 3P &= 1197 & 2L &= 1197 & 2L &= 2394 \\ 1P &= 399 & 1L &= 598.50 & 1L &= 1197 \end{aligned}$$

Ans: 199.50

- 6) 3 identical printers and 3 similar laptops cost \$2418. The cost of 3 laptops is as much as the cost of 3 printers. What is the difference of the cost of a printer and a laptop?

3P	806
3L	806

} 2418

$$\begin{aligned} 1P &= 268.2 \\ 1L &= 268.2 \end{aligned}$$

$$\begin{array}{r} 806 \\ 3 \overline{) 2418} \\ \underline{24} \\ 18 \\ \underline{18} \\ 0 \end{array}$$

Ans: 0

7) 5 identical printers and 4 similar laptops cost \$7176. The cost of the 5 printers is as much as the cost of 4 laptops. What is the difference of the cost of a printer and a laptop?

$$\begin{array}{r|l} 5P & 797.3 \\ 4L & 797.3 \\ \hline & \end{array} \Bigg) 7176$$

$$\begin{array}{r} 199.31 \\ 4 \overline{) 797.3} \\ \underline{4} \phantom{00} \\ 39 \phantom{0} \\ \underline{36} \phantom{0} \\ 37 \phantom{0} \\ \underline{36} \phantom{0} \\ 13 \phantom{0} \end{array}$$

$$\begin{array}{r} 797.3 \\ 9 \overline{) 7176} \\ \underline{63} \phantom{00} \\ 87 \phantom{0} \\ \underline{81} \phantom{0} \\ 66 \phantom{0} \\ \underline{63} \phantom{0} \\ 3 \phantom{0} \end{array}$$

$$\begin{array}{r} 199.31 \\ - 159.63 \\ \hline 39.69 \end{array}$$

$$\begin{array}{r} 1596.3 \\ 5 \overline{) 7973} \\ \underline{5} \phantom{00} \\ 29 \phantom{0} \\ \underline{25} \phantom{0} \\ 47 \phantom{0} \\ \underline{45} \phantom{0} \\ 33 \phantom{0} \end{array}$$

Ans: 39.69

\*8) 4 identical printers and 3 similar laptops cost \$5100. The cost of the 4 printers is as much as the cost of 3 laptops. How much more is the cost of a laptop than a printer?

$$\begin{array}{r|l} 4P & 2550 \\ 3L & 2550 \\ \hline & \end{array} \Bigg) 5100$$

$$\begin{aligned} 4P &= 2550 \\ 1P &= 637.5 \end{aligned}$$

$$\begin{aligned} 2L &= 5100 \\ 1L &= 2550 \end{aligned}$$

$$\begin{aligned} 3L &= 2550 \\ 1L &= 850 \end{aligned}$$

$$\begin{array}{r} 850.00 \\ 637.50 \\ \hline 212.50 \end{array}$$

- 9) 5 identical printers and 4 similar tablets cost \$5100. The cost of the 5 printers is ~~\$900~~ *as much as* ~~less than~~ the cost of 4 tablets. How much more is the cost of a tablet than a printer?

$$\begin{array}{l|l} 5P & 2550 \\ 4L & 2550 \end{array} \left. \vphantom{\begin{array}{l|l} 5P & 2550 \\ 4L & 2550 \end{array}} \right\} 5100$$

$$\begin{aligned} 5P &= 2550 \\ 4L &= 2550 \end{aligned}$$

$$\begin{array}{r} 2 \overline{)5100} \\ \underline{4} \phantom{00} \\ 11 \phantom{00} \\ \underline{10} \phantom{00} \\ 10 \phantom{00} \\ \underline{10} \phantom{00} \\ 0 \end{array}$$

$$\begin{aligned} 1P &= 510 \\ 1L &= 634 \end{aligned}$$

$$\begin{array}{r} 634 \\ 4 \overline{)2550} \\ \underline{24} \phantom{00} \\ 15 \phantom{00} \\ \underline{12} \phantom{00} \\ 30 \end{array}$$

$$\begin{array}{r} 510 \\ 5 \overline{)2550} \\ \underline{510} \\ 0 \end{array}$$

Ans: 124

- 10) The cost of the 3 identical printers is ~~\$60 more than~~ *as much as* the the cost of 2 tablets. Given that the total cost of the 3 printers and 2 tablets is \$2580, how much is the cost of a printer?

$$\begin{array}{l|l} 3P & \\ 2L & 60 \end{array} \left. \vphantom{\begin{array}{l|l} 3P & \\ 2L & 60 \end{array}} \right\} 2580$$

$$3P = 1260 + 60$$

$$3P = 1320$$

$$1P = 440$$

$$2u + 60 = 2580$$

$$2u = 2580 - 60$$

$$2u = 2520$$

$$1u = 1260$$

$$\begin{array}{r} 440 \\ 3 \overline{)1320} \\ \underline{12} \phantom{00} \\ 12 \phantom{00} \\ \underline{12} \phantom{00} \\ 0 \end{array}$$

Ans: 440

# LOGICAL THINKING

\* A) Study the pattern using the letters A, B, C and D below.

**ABCDBA ABCDBA ABC ...**

(a) Find the letter in the 100<sup>th</sup> position.

D

(b) Find the letter in the 135<sup>th</sup> position.

C

$$\begin{array}{r} 22A3 \\ 6 \overline{)135} \\ \underline{12} \\ 15 \\ \underline{12} \\ 3 \end{array}$$

\* B) Study the sequence **5, 13, 21, 29, 37**

(a) Find the 20<sup>th</sup> number in the sequence.

$$5 + 19(8) = 192$$

(b) What is the 55<sup>th</sup> number in the sequence?

$$5 + 54(8) = 472$$

(c) Which number in the sequence is 797?

? you never taught us this

$$\begin{array}{r} 59 \\ \times 8 \\ \hline 472 \end{array}$$

$$\begin{array}{r} 24 \\ \times 8 \\ \hline 192 \end{array}$$

Homework Submission - ONLINE for all M5s and M6s

FOR ONLINE & INPERSON CLASSES

**1) Homework is due on the day of the following class.**

Solutions for the previous week homework will be posted on the website on SUNDAY after the due date.

**2) Homework is to be submitted via the website.**

(a) Homework should be saved in *pdf format*.

(b) File name : M5L1Name (example M5L1Bryson)

(c) If you use a scanner device to scan your homework, you just have to attach the file when you submit.

(d) If you use the AdobeScan App on your phone to scan your homework, you need to save the file to your icloud on the phone as follows :

- Share a copy
- Save to Files
- Downloads
- Save

(e) Go to website - Students' Access - Homework Submission

- Upload your homework (attach your homework)
- Submit

**3) Check Solutions every week.** I want to see that markings on your homework.

Acknowledge by Parents



\_\_\_\_\_