

Four Operations of Mathematics

數學四式

+ Addition 加法

● plus (v.)	<u>5 plus 1</u>	$5+1$
● add (v.)... to	<u>Add 1 to 5</u> <u>1 is added to 5</u> <u>5 is added by 1</u>	$5+1$
● the sum (n.) of 和	<u>The sum of 5 and 1</u>	$5+1$

— Subtraction 減法

• minus (v.)	<u>11 minus 4</u>	<u>11-4</u>
• subtract (v.)... from	<u>Subtract 4 from 11</u> <u>4 is subtracted from 11</u> <u>11 is subtracted <u>by</u> 4</u>	<u>11-4</u>
• the difference (n.) of 差	<u>The difference of 11 and 4</u> <u>The difference o 4 and 11</u>	<u>11-4</u>

× Multiplication 乘法

• time (v.)	<u>2 times 7</u>	<u>2x7</u>
• multiply (v.)... by	<u>Multiply 2 by 7</u> <u>2 is multiplied by 7</u> <u>7 is multiplied <u>to</u> 2</u>	<u>2x7</u>
• the product (n.) of 積	<u>The product of 2 and 7</u>	<u>2x7</u>
• a multiple (n.) of 倍數	<u>14 is a multiple of 7</u>	<u>14是7的倍數</u>
• time(s) (n.) of 倍	<u>14 is 2 times of 7</u>	<u>7的2倍是14</u>

÷ Division 除法

divide (v.)... from	<u>Divide 20 by 4</u> <u>20 is divided by 4</u>	20÷4
the quotient (n.) of 商	<u>The quotient of 20 and 4</u> <u>The quotient of 4 and 20</u>	20÷4
a factor (n.) of 因數	<u>4 is a factor of 20</u>	4是20的因數
divisible (adj.) by 能被整除	<u>20 is divisible by 4</u>	20能被4整除

The Result 結果

equal (v.)	5 plus 1 equals 6.	5+1=6
is equal (adj.) to	5 plus 1 is equal to 6.	
is (v.)	The product of 2 and 7 is 14.	2x7=14
make (v.)	20 is divided by 4 makes 5.	20÷4

Question Solving

- **Write down** all the factors 因數 of 36. 1, 2, 3, 4, 6, 9, 12, 18, 36.
 - **Find** the L.C.M. of 25 and 30. 150.
 - $15(\frac{r}{4}+1)=60$. **Find the value** of r . 12.
 - **Evaluate** 求...的值 $(3p+8)\div 5$, for $p=4$. 4.
 - **Expand** 擴開 and **simplify** 簡化 $2(y+3)+5y+4$. $2y+6+5y+4 \rightarrow 7y+10.$
 - What is the smallest 6-**digit** 位數 **even number** 雙數? 100,000.
 - **Compose** 構成 the largest 7-digit **odd number** using 0, 1, 7, 8, 2, 3, 9. 9,873,201.
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