

EL-531XT

CALCULATION EXAMPLES

EXEMPLES DE CALCUL

PRINTED IN CHINA / IMPRIMÉ EN CHINE
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【1】  

① $3(5+2)=$ 21.
 ② $3 \times 5 + 2 =$ 17.
 ③ $3 \times 5 + 3 \times 2 =$ 21.
 → ① 21.
 → ② 17.
 → ③ 21.
 → ② 17.

[2] + − × ÷ () + / − Exp

45+285÷3=	ON/C 45 + 285 ÷ 3 =	140.
18+6=	(18 + 6) ÷	
15-8	(15 - 8 =	3.428571429
42×(-5)+120=	42 (X) (+/-) 5 (+) 120 =	-90.
	*1 (5 (+/-)) *1	
(5×10(4×10 ⁻³))=	5 (Exp) 3 (÷) 4 (Exp) (+/-) 3 =	1'250'000.

【3】

$34+57=$	34 $+$ 57 $=$	91
$45+57=$	45 $=$	102
$79-59=$	79 $-$ 59 $=$	20
$56-59=$	56 $=$	-3
$56\div 8=$	56 \div 8 $=$	7
$92\div 8=$	92 $=$	11.5
$68\times 25=$	68 \times 25 $=$	1'700
$68\div 40=$	40 $=$	2'720

[4] sin cos tan sin⁻¹ cos⁻¹ tan⁻¹ π DRG hyp arc hyp
ln log e^x 10^x x⁻¹ x² x³ √ y^x √^x
√³ nl nPr nCr %

$\sin 60^\circ =$	$\text{ONC} \left(\sin \ 60 \right) =$	0.866025403
$\cos \frac{\pi}{4} [\text{rad}] =$	$\text{DRG} \left(\cos \left(\left(\pi \right) \div 4 \right) \right) =$	0.707106781
$\tan^{-1} 1 = [g]$	$\text{DRG} \left(2\text{ndF} \left[\tan^{-1} 1 \right] = \right)$ DRG	50.
$\left(\cosh 5 + \sinh 1.5 \right)^2 =$	$\text{ONC} \left(\left(\text{hyp} \cos 1.5 \right) \left(+ \right) \text{hyp} \sin 1.5 \right) \div \text{X}^2 =$	20.08553692
$\tanh^{-1} \frac{5}{7} =$	$2\text{ndF} \left[\text{erhyp} \tan \left(\left(5 \div 7 \right) \right) = \right)$	0.895879734
$\ln 20 =$	$\ln 20 =$	2.995732274
$\log 50 =$	$\log 50 =$	1.698970004
$e^3 =$	$2\text{ndF} \left[e^x \right] 3 =$	20.08553692
$10^{1.7} =$	$2\text{ndF} \left[10^x \right] 1.7 =$	50.11872336
$\frac{1}{6} \cdot \frac{1}{7} =$	$6 \left(2\text{ndF} \left[\text{X}^{-1} \right] + \right) 7 \left(2\text{ndF} \left[\text{X}^{-1} \right] = \right)$	0.309523809
$8^2 - 3^4 \times 5^2 =$	$8 \left(\text{Y}^x \right) \left(+ \right) \text{2} = 3 \left(\text{Y}^x \right) 4 \left(\text{X} \right) 5 \left(\text{X}^2 \right) =$	-2'024.984375
$(12^3)^{\frac{1}{4}} =$	$12 \left(\text{Y}^x \right) 3 \left(\text{Y}^x \right) 4 \left(2\text{ndF} \left[\text{X}^{-1} \right] = \right)$	6.447419591
$8^3 =$	$8 \left(\text{X}^3 \right) =$	512.
$\sqrt[4]{49} \cdot \sqrt[4]{81} =$	$\sqrt[4]{49} \left(\right) 49 \left(\right) 4 \left(2\text{ndF} \left[\sqrt[4]{} \right] \right) 81 \left(\right) =$	4.
$3\sqrt[4]{27} =$	$2\text{ndF} \left[\sqrt[4]{} \right] 27 \left(\right) =$	3.
$4! =$	$4 \left(2\text{ndF} \left[n! \right] = \right)$	24.
$_{10}P_3 =$	$10 \left(2\text{ndF} \left[nPr \right] 3 \right) =$	720.
$5C_2 =$	$5 \left(2\text{ndF} \left[nCr \right] 2 \right) =$	10.
$500 \times 25\% =$	$500 \left(\text{X} \right) 25 \left(2\text{ndF} \left[\% \right] \right)$	125.
$120 + 400 = 7\%$	$120 \left(\right) \div 400 \left(2\text{ndF} \left[\% \right] \right)$	30.
$500 + (500 \times 25\%) =$	$500 \left(\right) + 25 \left(2\text{ndF} \left[\% \right] \right)$	625.
$400 - (400 \times 30\%) =$	$400 \left(\right) - 30 \left(2\text{ndF} \left[\% \right] \right)$	280.

- The range of the results of inverse trigonometric functions
- Plage des résultats des fonctions trigonométriques inverses

	$\theta = \sin^{-1} x, \theta = \tan^{-1} x$	$\theta = \cos^{-1} x$
DEG	$-90 \leq \theta \leq 90$	$0 \leq \theta \leq 180$
RAD	$-\frac{\pi}{2} \leq \theta \leq \frac{\pi}{2}$	$0 \leq \theta \leq \pi$
GRAD	$-100 \leq \theta \leq 100$	$0 \leq \theta \leq 200$

【5】 **DRG▶**

$90^\circ \rightarrow [\text{rad}]$	<input type="text" value="90"/> <input type="text" value="2ndF"/> <input type="text" value="DRG"/>	1.570796327
$\rightarrow [g]$	<input type="text" value="2ndF"/> <input type="text" value="DRG"/>	100.
$\rightarrow [^\circ]$	<input type="text" value="2ndF"/> <input type="text" value="DRG"/>	90.
<hr/>		
$\sin^{-1} 0.8 = [^\circ]$	<input type="text" value="2ndF"/> <input type="text" value="sin^-1"/> <input type="text" value="0.8"/> <input type="text" value="="/>	53.13010235
$\rightarrow [\text{rad}]$	<input type="text" value="2ndF"/> <input type="text" value="DRG"/>	0.927295218
$\rightarrow [g]$	<input type="text" value="2ndF"/> <input type="text" value="DRG"/>	59.03344706
$\rightarrow [^\circ]$	<input type="text" value="2ndF"/> <input type="text" value="DRG"/>	53.13010235

[6] ALPHA RCL STO M+ M- ANS

A=56	ONIC 56 STO A	56.
B=68	68 STO B	68.
A+2+Bx4=	ALPHA A ÷ 2 + ALPHA B X 4 =	300.
24÷(8x2)=	ONIC 8 X 2 STO M 24 ÷ ALPHA M =	16.
(8x2)×5=	ALPHA M X 5 =	80.
\$150×3=M1	ONIC STO M 150 X 3 M+	0.
+\$250×M2=M1+250	250 M+	450.
~)M2×5%	RCL M X 5 2ndF %	25.
M	2ndF M- RCL M	665.
\$1=¥110	110 STO Y	110.
¥26,510=?	26510 ÷ RCL Y =	241.
\$2,750=?	2750 X RCL Y =	302'500.
r = 3cm	3 STO Y	3.
πr ² = ?	π RCL Y X ² =	28.27433388
(r → Y)		
$\frac{24}{4} = 2.4... () A$	24 ÷ (4 + 6) =	2.4
3x(A)+60÷A=	3 X ALPHA A ANS + 60 ÷ ALPHA A NS =	32.2

【7】

6+4=ANS	<input type="text" value="ON/C"/> <input type="text" value="6"/> <input type="text" value="+"/> <input type="text" value="4"/> <input type="text" value="="/>	10.
ANS+5	<input type="text" value="+"/> <input type="text" value="5"/> <input type="text" value="="/>	15.
8x2=ANS	<input type="text" value="8"/> <input type="text" value="X"/> <input type="text" value="2"/> <input type="text" value="="/>	16.
ANS ²	<input type="text" value="X<sup>2</sup>"/> <input type="text" value="="/>	256.
44+37=ANS	<input type="text" value="44"/> <input type="text" value="+"/> <input type="text" value="37"/> <input type="text" value="="/>	81.
√ANS=	<input type="text" value="√"/> <input type="text" value="="/>	9.

【8】 $a^{b/c}$ d/c

$3\frac{1}{2} + 4\frac{3}{5} = [a\frac{b}{c}]$	<div> <div>ONAC</div> <div>3</div> <div>$a\frac{b}{c}$</div> <div>1</div> <div>$a\frac{b}{c}$</div> <div>2</div> <div>+</div> </div>	<div>4 r 5 f 6</div> <div>4.833333333</div> <div>29 r 6</div>
$-[a.xxx]$	<div> <div>4</div> <div>$a\frac{b}{c}$</div> <div>=</div> </div>	
$-[d/c]$	<div> <div>2ndF</div> <div>div</div> </div>	
$10\frac{3}{5} =$	<div> <div>2ndF</div> <div>10^x</div> <div>2</div> <div>$a\frac{b}{c}$</div> <div>3</div> <div>=</div> </div>	4.641588834
$(\frac{7}{5})^5 =$	<div> <div>7</div> <div>$a\frac{b}{c}$</div> <div>5</div> <div>y^x</div> <div>5</div> <div>=</div> </div>	16807 r 3125
$(\frac{1}{6})^3 =$	<div> <div>1</div> <div>$a\frac{b}{c}$</div> <div>8</div> <div>y^x</div> <div>1</div> <div>$a\frac{b}{c}$</div> <div>3</div> <div>=</div> </div>	1 r 2

$\sqrt[4]{\frac{64}{225}} =$	$\sqrt[4]{\frac{64}{225}} =$	$8 \div 15$
$\frac{2^3}{3^4} =$	$\left(\frac{2^3}{3^4} \right) =$	$8 \div 81$
$\frac{1.2}{2.3} =$	$1.2 \div 2.3 =$	$12 \div 23$
$\frac{1^{\circ}2'3''}{2} =$	$1^{\circ}2'3'' \div 2 =$	$0^{\circ}31'15''$
$\frac{1 \times 10^3}{2 \times 10^3} =$	$1 \text{ Exp } 3 \div 2 \text{ Exp } 3 =$	$1 \div 2$
$A = 7$	$\text{ONUC } 7 \text{ STO } A$	$7.$
$\frac{A}{4} =$	$4 \div A \text{ ALPHA } A =$	$4 \div 7$
$1.25 + \frac{2}{3} = [a.xxx]$ $\rightarrow [a\frac{2}{3}]$	$1.25 + 2 \div 3 =$ $\left(\frac{2}{3} \right)$	1.65 $1 \div 13 \div 20$
1.65 $\rightarrow [a\frac{2}{3}]$ $\rightarrow [d/c]$ $\rightarrow [a.xxx]$	$\text{ONUC } 1.65 =$ $\left(\frac{2}{3} \right)$ $2ndF \left(\frac{d}{c} \right)$	1.65 $1 \div 13 \div 20$ $33 \div 20$ 1.65

$$* 4 \cap 5 \cap 6 = 4\frac{5}{6}$$

[9] ☐BIN ☐PEN ☐OCT ☐HEX ☐DEC ☐NEG ☐NOT ☐AND ☐OR

XOR1 (XNOR)							
DEC(25)→BIN	ONUC	2ndF	⇒DEC	25	2ndF	⇒BIN	11001 ^b
HEX(1AC)	2ndF	⇒HEX	1AC				
→BIN	2ndF	⇒BIN					110101100 ^b
→PEN	2ndF	⇒PEN					3203 ^P
→OCT	2ndF	⇒OCT					654 ^O
→DEC	2ndF	⇒DEC					428.
BIN(100→100)	2ndF	⇒BIN	(	1010	→	100)
x11 =	X	11	=				10010 ^b
BIN(111)→NEG	NEG	111	=				1111111001 ^b
HEX(1FF)+	2ndF	⇒HEX	1FF	2ndF	⇒OCT	+	
OCT(512)=	512	=					1511 ^O
HEX(?)	2ndF	⇒HEX					349 ^H
2FEC-	ONUC	STD	M	2ndF	⇒HEX	2FEC	-
2C9E=(A)	2C9E	M+					34E ^H
+2000-	2000	-					
1901=(B)	1901	M+					6FF ^H
(C)	RCL	M					A4d ^H
1011 AND	ONUC	2ndF	⇒BIN	1011	AND		
101 = (BIN)	101	=					1 ^b
5A OR C3 = (	HEX	2ndF	⇒HEX	5A	OR	C3	=
)							df ^b
NOT 10110 =	2ndF	⇒BIN	NOT	10110	=		1111101001 ^b
(BIN)							
24 XOR 4 = (	OCT	2ndF	⇒OCT	24	XOR	4	=
)							20 ^O
B3 XNOR	2ndF	⇒HEX	B3	XNOR			
2D = (HEX)	2D	=					FFFFF6F61 ^H
→DEC	2ndF	⇒DEC					-15 ^H

【10】 $\boxed{D^{\circ}M^{\circ}S}$ $\boxed{\leftrightarrow \text{DEG}}$

12°39'18.05" → [10]	$\frac{\text{DMS}}{2\text{ndF}} 12 \frac{\text{DMS}}{\leftrightarrow \text{DEC}} 39 \frac{\text{DMS}}{\leftrightarrow \text{DEC}} 18.05$	12.65501389
123.678 → [60]	123.678 $\frac{\text{DMS}}{2\text{ndF}} \leftrightarrow \frac{\text{DEC}}{2\text{ndF}}$	123°40'40.8"
3h30m45s + 6h45m36s = [60]	$\frac{3}{45} \frac{\text{DMS}}{\text{DMS}} 30 \frac{\text{DMS}}{\text{DMS}} 45 \frac{+}{+} 6 \frac{\text{DMS}}{\text{DMS}}$ $45 \frac{\text{DMS}}{\text{DMS}} 36 \frac{=}{=}$	10°16'21"
1234°56'12" + 0°0'34.567" = [0]	$\frac{1234}{0} \frac{\text{DMS}}{\text{DMS}} 56 \frac{\text{DMS}}{\text{DMS}} 12 \frac{+}{+}$ $0 \frac{\text{DMS}}{\text{DMS}} 0 \frac{\text{DMS}}{\text{DMS}} 34.567 \frac{=}{=}$	1234°56'47"
3h45m – 1.69h = [60]	$\frac{3}{2\text{ndF}} \frac{\text{DMS}}{\text{DMS}} 45 \frac{-}{-} 1.69 \frac{=}{=}$ $\frac{\text{DMS}}{2\text{ndF}} \leftrightarrow \frac{\text{DEC}}{2\text{ndF}}$	2°3'36"
sin62°12'24" = [10]	$\frac{\sin}{62} \frac{\text{DMS}}{\text{DMS}} 12 \frac{\text{DMS}}{\text{DMS}} 24$	0.8846523235

【11】 $\rightarrow r\theta$ $\rightarrow xy$, $\leftarrow i \rightarrow$

$\begin{pmatrix} x = 6 \\ y = 4 \end{pmatrix} \rightarrow \begin{pmatrix} r = \\ \theta = [^\circ] \end{pmatrix}$	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 0x0C 6 2ndF > 4 </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF → rθ [r] </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF ↔ [θ] </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF ↔ [r] </div>	<p>7.211102551</p> <p>33.69006753</p> <p>7.211102551</p>
$\begin{pmatrix} r = 14 \\ \theta = 36[^\circ] \end{pmatrix} \rightarrow \begin{pmatrix} x = \\ y = \end{pmatrix}$	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> 14 2ndF > 36 </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF → xy [x] </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF ↔ [y] </div> <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 2ndF ↔ [x] </div>	<p>11.32623792</p> <p>8.228993532</p> <p>11.32623792</p>

【12】 **MDF** **SET UP**

5÷9=ANS
ANS×9=
[FIX,TAB=1]

ON/C	SETUP	0	0	SETUP	1	1
5	÷	9	=			0.6
X	9	=	*	1		5.0
<hr/>						
5	÷	9	=	2ndF	MDF	0.6
X	9	=	*	2		5.4
SETUP	0	0	3			

*1 $5.55555555555555 \times 10^{-1} \times 9$
*2 0.6×9

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