Licenciatura en Mercadotecnia Internacional

27 DE ENERO DE 2019

JERARQUÍAS EN LAS OPERACIONES ARITMÉTICAS

Matemáticas administrativas (MI-IMAD-1901-B1-003)

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UNADM

① $-10-(+2)+(-5)+(+4)-(-20)$

$=-10-2-5+4+20=$

$-17+24=$

7

② $(+15-(-15))\cdot((+15)+(-15))=$

$(+15+15)\cdot(+15-15)=$

$30\cdot 0=$

0

③ $[(-7)\times(+4)]\times(+5)$

$[-7\times 4]\times 5$

-28×5

-140

④ $2+5\times 6\div 2-4\times 3$

$2+15-12$

5

⑤ $45\div\{-2+12\div(-7+3)+12-[(-24)\div((-3)\cdot 5+7)]+5\}=$

$45\div\{-2+12\div(-7+3)+12-[(-24)\div(-3\cdot 5+7)]+5\}=$

$45\div\{-2+12\div(-7+3)+12-[(-24)\div(-15+7)]+5\}=$

$45\div\{-2+12\div(-4)+12-[(-24)\div(-8)]+5\}=$

$45\div\{-2-3+12-3+5\}=$

$45\div 9=$

5

⑥ $36\div(-8\div(-5+3)+12\div(-2+2\cdot 4))+3\cdot(-8)+3\cdot(-12+5\cdot 2)=$

$36\div(-8\div(-5+3)+12\div(-2+8))+3\cdot(-8)+3\cdot(-12+10)=$

$36\div(-8\div(-2)+12\div(6))+3\cdot(-8)+3\cdot(12+10)=$

$36\div(4+2)+3\cdot(-8)+3\cdot(12+10)=$

$36\div 6+3\cdot(8)+3\cdot 22)=$

$36\div 6+24+66=$

$6+24+66=$

96

⑦ $7-[2\times9-(4+13)+4\div2]=$

$7-[2\times9-17+4\div2]=$

$7-[18-17+2]=$

$7-[3]=$

$7-3=$

4

⑧ $[(+3)-(+5)+(+4)]\div[(+15)\div(-3)-(-7)]=$

$[3-5+4]\div[15\div(-3)+7]=$

$[2]\div[-5+7]=$

$2\div2=$

1

⑨ $42\div[(6)-(-3)]+28\div[-6-(-8)]=$

$42\div[6+3]+28\div[-6+8]=$

$42\div9+28\div2=$

$4.66+14=$

18.66

⑩ $74\div14-3\times[10-2(8-3)]$

$74\div14-3\times[10-2(5)]$

$74\div14-3\times\ 40$

$5.28-120$

-114.72

(11) $10-[6-(-5+4)-2]+1=$

$10-[6-1-2]+1=$

$10-3+1=$

8

(12) $(42+20)\div 4-2\times(9\div 3)-2\times[18+3\times(13-9)-5]$

$(42+20)\div 4-2\times 3-2\times[18+3\times 117-5]$

$62\div 4-2\times 3-2\times[18+3\times 117-5]$

$62\div 4-2\times 3-2\times[18+351-5]$

$62\div 4-2\times 3-2\times 364$

$15.5-6-728$

-718.5

(13) $-8\times[5-(-2)]-48\div[6+(-14)]-11\times[10+(-7)]+36\div[(-1)-(-10)]$

$-8\times[5+2]-48\div[6-14]-11\times[10-7]+36\div[-1+10]$

$-8\times 7-48\div -8-11\times 3+36\div 9$

$-56-6-33+4$

-99

(14) $+1-[-4+(-10)\div(-5)]+[+3+(-9)\div(-9)]=$

$+1-[-4-10\div(-5)]+[3-9\div(-9)]=$

$+1-[-4+2]+[3+1]$

$+1-[-2]+[4]$

$+1+2+4$

7

(15) $+1-[+3-(-8)\times(+8)]+[+6+(+8)\div(+4)]$

$+1-[+3+24\times 8]+[+6+48\div 4]$

$+1-[3+192]+[+6+12]$

$+1-195+18$

-176