

Worksheet

04/06/2020

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Problem quickname: 4492

1)

For every term on the left-hand side, find the matching expanded term on the right-hand side! Use the distributive law.

Quick:
4492

	Term 1	→		Term 2
A	$(9+(-7))\cdot(-2)$	→	6	$9\cdot(-2)+(-7)\cdot(-2)$
B	$(20-(-12))/(-4)$	→	8	$20/(-4)-(-12)/(-4)$
C	$(-12+30)/6$	→	10	$-12/6+30/6$
D	$(36-(-30))/(-6)$	→	7	$36/(-6)-(-30)/(-6)$
E	$5\cdot(-5+(-9))$	→	3	$5\cdot(-5)+5\cdot(-9)$
F	$(-18-(-15))/3$	→	4	$-18/3-(-15)/3$
G	$-5\cdot(16-15)$	→	9	$-5\cdot 16-(-5)\cdot 15$
H	$(15+16)\cdot(-5)$	→	5	$15\cdot(-5)+16\cdot(-5)$
I	$(12-(-15))/3$	→	2	$12/3-(-15)/3$
J	$(18+18)/(-6)$	→	1	$18/(-6)+18/(-6)$

2)

For every term on the left-hand side, find the matching expanded term on the right-hand side! Use the distributive law.

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4492

	Term 1	→		Term 2
A	$-3\cdot(17+15)$	→	5	$-3\cdot 17+(-3)\cdot 15$
B	$-2\cdot(16+(-10))$	→	10	$-2\cdot 16+(-2)\cdot(-10)$
C	$(11+(-7))\cdot 2$	→	7	$11\cdot 2+(-7)\cdot 2$
D	$(13+5)\cdot(-4)$	→	6	$13\cdot(-4)+5\cdot(-4)$
E	$(2+(-20))\cdot 3$	→	3	$2\cdot 3+(-20)\cdot 3$
F	$(4+9)\cdot 3$	→	9	$4\cdot 3+9\cdot 3$
G	$(16+18)\cdot(-6)$	→	2	$16\cdot(-6)+18\cdot(-6)$
H	$5\cdot(15+8)$	→	4	$5\cdot 15+5\cdot 8$
I	$(15+8)\cdot 5$	→	1	$15\cdot 5+8\cdot 5$
J	$4\cdot(19+(-18))$	→	8	$4\cdot 19+4\cdot(-18)$

3)

For every term on the left-hand side, find the matching expanded term on the

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4492

right-hand side! Use the distributive law.

	Term 1	→		Term 2
A	$4 \cdot (-7-2)$	→	2	$4 \cdot (-7) - 4 \cdot 2$
B	$(-7-2) \cdot 4$	→	6	$-7 \cdot 4 - 2 \cdot 4$
C	$(11-6) \cdot (-3)$	→	5	$11 \cdot (-3) - 6 \cdot (-3)$
D	$4 \cdot (-15-17)$	→	8	$4 \cdot (-15) - 4 \cdot 17$
E	$(-9-14) \cdot 3$	→	7	$-9 \cdot 3 - 14 \cdot 3$
F	$(11-(-11)) \cdot 3$	→	9	$11 \cdot 3 - (-11) \cdot 3$
G	$(-15-6) \cdot (-6)$	→	1	$-15 \cdot (-6) - 6 \cdot (-6)$
H	$-4 \cdot (5-(-5))$	→	3	$-4 \cdot 5 - (-4) \cdot (-5)$
I	$(-14-(-3)) \cdot (-3)$	→	10	$-14 \cdot (-3) - (-3) \cdot (-3)$
J	$5 \cdot (-17-(-5))$	→	4	$5 \cdot (-17) - 5 \cdot (-5)$

4)

For every term on the left-hand side, find the matching expanded term on the right-hand side! Use the distributive law.

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	Term 1	→		Term 2
A	$3 \cdot (8-7)$	→	3	$3 \cdot 8 - 3 \cdot 7$
B	$2 \cdot (4-3)$	→	10	$2 \cdot 4 - 2 \cdot 3$
C	$3 \cdot (6-3)$	→	9	$3 \cdot 6 - 3 \cdot 3$
D	$(8-4) \cdot 2$	→	1	$8 \cdot 2 - 4 \cdot 2$
E	$(8-7) \cdot 2$	→	2	$8 \cdot 2 - 7 \cdot 2$
F	$(3-2) \cdot 2$	→	8	$3 \cdot 2 - 2 \cdot 2$
G	$2 \cdot (6-2)$	→	6	$2 \cdot 6 - 2 \cdot 2$
H	$(8-7) \cdot 3$	→	5	$8 \cdot 3 - 7 \cdot 3$
I	$2 \cdot (4-4)$	→	7	$2 \cdot 4 - 2 \cdot 4$
J	$(9-7) \cdot 2$	→	4	$9 \cdot 2 - 7 \cdot 2$

Good Luck!