

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

2)

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

Quick:
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	Term 1	→		Term 2
A	$(24+24)/6$	→	7	$24/6 + 24/6$
B	$(8-4)/2$	→	5	$8/2 - 4/2$
C	$(20-15)/5$	→	10	$20/5 - 15/5$
D	$(15+20)/5$	→	3	$15/5 + 20/5$
E	$(20+25)/5$	→	4	$20/5 + 25/5$
F	$(15-9)/3$	→	1	$15/3 - 9/3$
G	$(10+8)/2$	→	9	$10/2 + 8/2$
H	$(12+9)/3$	→	2	$12/3 + 9/3$
I	$(15+25)/5$	→	8	$15/5 + 25/5$
J	$(16-8)/4$	→	6	$16/4 - 8/4$

3)

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

Quick:
4492

right-hand side! Use the distributive law.

	Term 1	→		Term 2
A	$(-16-12) \cdot 5$	→	2	$-16 \cdot 5 - 12 \cdot 5$
B	$6 \cdot (5 - (-9))$	→	4	$6 \cdot 5 - 6 \cdot (-9)$
C	$(12+16)/(-4)$	→	10	$12/(-4) + 16/(-4)$
D	$(6-9)/3$	→	5	$6/3 - 9/3$
E	$(-9+6)/3$	→	8	$-9/3 + 6/3$
F	$(-30-25)/5$	→	1	$-30/5 - 25/5$
G	$(18+36)/6$	→	9	$18/6 + (-36)/6$
H	$(-19+8) \cdot 2$	→	7	$-19 \cdot 2 + 8 \cdot 2$
I	$(-15 - (-18)) \cdot 2$	→	3	$-15 \cdot 2 - (-18) \cdot 2$
J	$-5 \cdot (17 - (-7))$	→	6	$-5 \cdot 17 - (-5) \cdot (-7)$

4)

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

Quick:
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	Term 1	→		Term 2
A	$4 \cdot (4 + -8)$	→	5	$4 \cdot 4 + 4 \cdot (-8)$
B	$2 \cdot (-15 + -11)$	→	6	$2 \cdot (-15) + 2 \cdot (-11)$
C	$(-4 + -4) \cdot 5$	→	2	$-4 \cdot 5 + (-4) \cdot 5$
D	$(-7 + -15) \cdot (-3)$	→	8	$-7 \cdot (-3) + (-15) \cdot (-3)$
E	$-3 \cdot (-7 + -15)$	→	3	$-3 \cdot (-7) + (-3) \cdot (-15)$
F	$(-16 + -17) \cdot (-4)$	→	9	$-16 \cdot (-4) + (-17) \cdot (-4)$
G	$2 \cdot (16 + 3)$	→	1	$2 \cdot 16 + 2 \cdot 3$
H	$(16 + 3) \cdot 2$	→	10	$16 \cdot 2 + 3 \cdot 2$
I	$(8 + 14) \cdot 6$	→	4	$8 \cdot 6 + 14 \cdot 6$
J	$-5 \cdot (-11 + -15)$	→	7	$-5 \cdot (-11) + (-5) \cdot (-15)$

Good Luck!