

Worksheet

03/03/2020

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Problem quickname: 4870

1)

Calculate the result. Use the distributive law to evaluate the term.

Quick:
4870

- a) $(8 - 8) \cdot (-3) = 8 \cdot (-3) - 8 \cdot (-3) = -24 - (-24) = 0$
 b) $(15 - (-18))/3 = 15/3 - (-18)/3 = 5 - (-6) = 11$
 c) $(-3 - (-3)) \cdot 4 = -3 \cdot 4 - (-3) \cdot 4 = -12 - (-12) = 0$
 d) $(8 - (-24))/4 = 8/4 - (-24)/4 = 2 - (-6) = 8$
 e) $(9 + 7) \cdot 4 = 9 \cdot 4 + 7 \cdot 4 = 36 + 28 = 64$
 f) $(6 + -14) \cdot (-4) = 6 \cdot (-4) + (-14) \cdot (-4) = -24 + 56 = 32$
 g) $(12 + 30)/6 = 12/6 + 30/6 = 2 + 5 = 7$
 h) $-3 \cdot (-13 - 18) = -3 \cdot (-13) - (-3) \cdot 18 = 39 - (-54) = 93$
 i) $(-8 + 8)/(-4) = -8/(-4) + 8/(-4) = 2 + -2 = 0$
 j) $(20 - 20)/(-5) = 20/(-5) - 20/(-5) = -4 - (-4) = 0$

2)

Calculate the result. Use the distributive law to evaluate the term.

Quick:
4870

- a) $(3 + 7) \cdot 2 = 3 \cdot 2 + 7 \cdot 2 = 6 + 14 = 20$
 b) $2 \cdot (3 + 6) = 2 \cdot 3 + 2 \cdot 6 = 6 + 12 = 18$
 c) $2 \cdot (7 + 9) = 2 \cdot 7 + 2 \cdot 9 = 14 + 18 = 32$
 d) $3 \cdot (4 + 8) = 3 \cdot 4 + 3 \cdot 8 = 12 + 24 = 36$
 e) $(8 + 2) \cdot 3 = 8 \cdot 3 + 2 \cdot 3 = 24 + 6 = 30$
 f) $3 \cdot (6 + 9) = 3 \cdot 6 + 3 \cdot 9 = 18 + 27 = 45$
 g) $(9 + 8) \cdot 2 = 9 \cdot 2 + 8 \cdot 2 = 18 + 16 = 34$
 h) $3 \cdot (5 + 5) = 3 \cdot 5 + 3 \cdot 5 = 15 + 15 = 30$
 i) $3 \cdot (3 + 9) = 3 \cdot 3 + 3 \cdot 9 = 9 + 27 = 36$
 j) $2 \cdot (6 + 3) = 2 \cdot 6 + 2 \cdot 3 = 12 + 6 = 18$

3)

Calculate the result. Use the distributive law to evaluate the term.

Quick:
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- a) $(594 - 216)/27 = 594/27 - 216/27 = 22 - 8 = 14$
 b) $(204 - 144)/12 = 204/12 - 144/12 = 17 - 12 = 5$
 c) $(270 - 100)/10 = 270/10 - 100/10 = 27 - 10 = 17$
 d) $(546 - 84)/21 = 546/21 - 84/21 = 26 - 4 = 22$
 e) $(589 - 266)/19 = 589/19 - 266/19 = 31 - 14 = 17$
 f) $(375 - 360)/15 = 375/15 - 360/15 = 25 - 24 = 1$
 g) $(136 - 16)/8 = 136/8 - 16/8 = 17 - 2 = 15$
 h) $(68 - 44)/4 = 68/4 - 44/4 = 17 - 11 = 6$

i) $(416 - 368)/16 = 416/16 - 368/16 = 26 - 23 = 3$

j) $(253 - 230)/23 = 253/23 - 230/23 = 11 - 10 = 1$

4)

Calculate the result. Use the distributive law to evaluate the term.

Quick:
4870

a) $(18 - 9)/3 = 18/3 - 9/3 = 6 - 3 = 3$

b) $2 \cdot (14 - 14) = 2 \cdot 14 - 2 \cdot 14 = 28 - 28 = 0$

c) $(42 + 48)/6 = 42/6 + 48/6 = 7 + 8 = 15$

d) $(64 - 56)/8 = 64/8 - 56/8 = 8 - 7 = 1$

e) $(19 + 25) \cdot 10 = 19 \cdot 10 + 25 \cdot 10 = 190 + 250 = 440$

f) $(72 - 48)/8 = 72/8 - 48/8 = 9 - 6 = 3$

g) $9 \cdot (28 - 23) = 9 \cdot 28 - 9 \cdot 23 = 252 - 207 = 45$

h) $6 \cdot (24 - 24) = 6 \cdot 24 - 6 \cdot 24 = 144 - 144 = 0$

i) $(30 + 70)/10 = 30/10 + 70/10 = 3 + 7 = 10$

j) $5 \cdot (19 + 14) = 5 \cdot 19 + 5 \cdot 14 = 95 + 70 = 165$

Good Luck!