

Grade 7 operations test

NAME	DATE	SCORE / 8
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Answer each question. Show your work.

1 $-5 \times (8 - 5)^2 = ?$	2 $30 - (-26) = ?$
3 $(-2) \times (-2) = ?$	4 $-14 + 17 = ?$
5 $-24 + (-5) = ?$	6 $165 \div (-11) = ?$
7 Ana writes $4 - 9.7 = 9.7 - 4$. Which property did Ana use, if any? ☐ Commutative ☐ Her step is wrong ☐ Associative ☐ Additive inverse	8 Ana writes $(-\frac{1}{4} \times 4) \times (-9.4) = (-\frac{1}{4}) \times (4 \times (-9.4))$. Which property did Ana use, if any? ☐ Distributive. Multiplying each part of a sum gives the same total. ☐ Commutative. Changing the order of the factors keeps the product the same. ☐ Associative. Changing how the factors are grouped keeps the product the same. ☐ None. This step changes the value.

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1	-45	2	56	3	4
4	3	5	-29	6	-15
7	Her step is wrong	8	Associative. Changing how the factors are grouped keeps the product the same.		