Activity 6 Assessment
Order of Operations with Integers

Order of Operations with Integers

Applies the order of operations to whole numbers	Applies the order of operations to whole numbers, including brackets	Applies the order of operations to integers	Writes a word problem as an expression with operations on integers, then evaluates the expression
Multiply and divide in order before adding and subtracting in order. $$13 - 5 \times 2 + 6 \div 3$$ $$= 13 - 10 + 6 \div 3$$ $$= 13 - 10 + 2$$ $$= 3 + 2$$ $$= 5$$	The operation in brackets must be done first. $$(13 - 5) \times 2 + 6 \div 3$$ $$= 8 \times 2 + 6 \div 3$$ $$= 16 + 6 \div 3$$ $$= 16 + 2$$ $$= 18$$	$$(13 - 5) \times (-2) + 6 \div (-3)$$ $$= 8 \times (-2) + 6 \div (-3)$$ $$= -16 + 6 \div (-3)$$ $$= -16 - 2$$ $$= -18$$	Keith had \$365 in their bank account. Keith made 5 withdrawals of \$35 each, then later deposited \$90 into the account. How much is in the account now? In dollars: $$365 + 5(-35) + 90 = 365 - 175 + 90$$ $$= 190 + 90$$ $$= 280$$ Keith had \$280 in their account.

Observations/Documentation

Mathology 8
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