

Name:

Class:

Solving multi-step inequalities



Which sign makes the statement true? Complete with $<$, $>$, or $=$ signs.

Example :

$$8 + 17 \quad \underline{\hspace{1cm}} \quad 29 - 4$$

Let's first of all solve the right hand side.

$$8 + 17 = 25.$$

Then solve the right hand side

$$29 - 4 = 25.$$

Now, let's compare,

Since 25 is equal to 25 it implies that $8 + 17 \quad \underline{=} \quad 29 - 4.$

a. $3 + 5 \quad \underline{\hspace{1cm}} \quad 10$

h. $18 - 7 \quad \underline{\hspace{1cm}} \quad 18 - 9$

b. $11 - 7 \quad \underline{\hspace{1cm}} \quad 4 + 7$

i. $63 \quad \underline{\hspace{1cm}} \quad 52 - 39$

c. $16 \quad \underline{\hspace{1cm}} \quad 7 + 9$

j. $58 + 12 \quad \underline{\hspace{1cm}} \quad 37 + 33$

d. $13 + 6 \quad \underline{\hspace{1cm}} \quad 8 + 9$

k. $72 + 48 \quad \underline{\hspace{1cm}} \quad 120$

e. $12 - 4 \quad \underline{\hspace{1cm}} \quad 15 - 7$

l. $28 - 17 \quad \underline{\hspace{1cm}} \quad 21$

f. $50 \quad \underline{\hspace{1cm}} \quad 100 - 50$

m. $17 - 0 \quad \underline{\hspace{1cm}} \quad 16 - 0$

g. $19 - 7 \quad \underline{\hspace{1cm}} \quad 14 + 5$

n. $16 - 5 \quad \underline{\hspace{1cm}} \quad 13 - 1$

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