

# DO NOW

Write an equation or inequality for the following:

- 1) The quotient of a number  $n$  and 8 is at least 24.
- 2) The product of 12 and the difference of number  $r$  and 4 is 72.

**1.4**

## Writing Equations and Inequalities (Cont.)

Symbol	Meaning	Associated Words
=	is equal to	the same as
<	is less than	fewer than
>	is greater than	at most, no more than
≤	is less than or equal to	more than
≥	is greater than or equal to	at least, no less than

### Examples

- 1) Tyler would like to make no less than \$610 selling coffee mugs on line. If he sells 28 mugs for \$22 each, will he achieve his goal?

## Examples

- 2) Sarah enrolled in a guitar class. The enrollment fee was \$25. She paid a total of \$70 for the enrollment fee and 3 lessons. What is the cost of 3 lessons? How much did each lesson cost?

## Examples

- 3) The last time you and 3 friends went to a mountain bike park, you had a coupon for \$10 off the total amount and paid \$17 for 4 tickets. What is the regular price of 4 tickets? If you pay the regular price this time and share it equally, how much does each person pay?