Writing Inequalities

Write an inequality to represent each situation.

1 Jayda is older than her 12-year-old sister. Write an inequality for *j*, Jayda's age.

$j > 12$

2 Byron worked fewer than 20 days last month. Write an inequality for *d*, the number of days Byron worked last month.

$d < 20$

3 A storm with sustained winds at or above 74 miles per hour is classified as a hurricane. Write an inequality for *w*, the wind speed of a hurricane.

$w \geq 74$

4 The cash drawer at Common Ground Coffee Shop always contains at least $50. Write an inequality for *c*, the amount of cash in the drawer at Common Ground Coffee Shop.

$c \geq 50$

5 To safely store perishable foods, refrigerator temperatures should be kept at or below 4°C. Write an inequality for *t*, the temperature at which refrigerators should be kept.

$t \leq 4$

6 You must be at least 48 inches tall to ride the Rocky Point Roller Coaster. Write an inequality for *h*, the height required to ride the Rocky Point Roller Coaster.

$h \geq 48$

7 Most people can safely free dive to depths of at most 40 feet without oxygen tanks. Write an inequality for *d*, the depth most people can safely free dive to without oxygen tanks.

$d \leq 40$