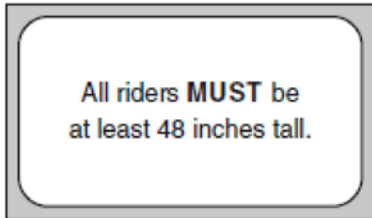


A.A.4: Modeling Inequalities: Translate verbal sentences into mathematical equations or inequalities

- 1 The sign shown below is posted in front of a roller coaster ride at the Wadsworth County Fairgrounds.



If h represents the height of a rider in inches, what is a correct translation of the statement on this sign?

- 1) $h < 48$
 - 2) $h > 48$
 - 3) $h \leq 48$
 - 4) $h \geq 48$
- 2 If Rosa's age is represented by R , which inequality represents the statement "Rosa is at most 29 years old"?
- 1) $R < 29$
 - 2) $R > 29$
 - 3) $R \leq 29$
 - 4) $R \geq 29$
- 3 Mrs. Smith wrote "Eight less than three times a number is greater than fifteen" on the board. If x represents the number, which inequality is a correct translation of this statement?
- 1) $3x - 8 > 15$
 - 2) $3x - 8 < 15$
 - 3) $8 - 3x > 15$
 - 4) $8 - 3x < 15$

A.A.4: Modeling Inequalities: Translate verbal sentences into mathematical equations or inequalities

Answer Section

- | | | |
|---|--------|---------------|
| 1 | ANS: 4 | REF: 060906ia |
| 2 | ANS: 3 | REF: 081410ia |
| 3 | ANS: 1 | REF: 080803ia |