

Homework

Activity 1

Select the number lines that represent the logic of the *and* statements.

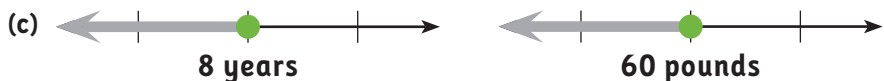
- You must be at least 12 years old and no less than 48 inches tall to ride the rollercoaster.



- You must be 18 years old or older and have no speeding tickets on your driving record to deliver pizzas.



- You must be no more than 8 years of age and weigh 60 pounds or less to play on the jungle gym at Kiddie Playland.



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Activity 2

Select the word statement that best matches the inequality.

1. $m > 15$

If m is Monty's age, then

- (a) Monty is older than 15.
- (b) Monty is younger than 15.
- (c) Monty is no more than 15 years old.

2. $x \leq 25$

If x is the cost of a DVD player, then

- (a) the DVD player costs more than \$25.
- (b) the DVD player costs less than \$25.
- (c) the cost of the DVD player is \$25 or less.

3. $y < 5$

If y represents the number of people allowed on a ride at a time, then

- (a) there can be no more than 5 people.
- (b) there can be no less than 5 people.
- (c) there must be less than 5 people.

Activity 3

Complete the proportion to find the unit rate for each.

1. $\frac{\text{Miles}}{\text{Hours}} = \frac{360}{6} = \frac{x}{1}$

2. $\frac{\text{Apples}}{\text{Cost}} = \frac{1}{w} = \frac{12}{\$1.20}$

3. $\frac{\text{Pages}}{\text{Hours}} = \frac{480}{4} = \frac{z}{1}$

Activity 4 • Distributed Practice

Solve.

1. $a \cdot 30 = 270$

2. $\frac{4}{8} + \frac{1}{2} = b$

3. $6.2 \cdot 3 = c$

4. $5 \cdot d = 150$

5. $4.8 \div 4 = e$

6. $542 + f = 611$

7. $\frac{3}{4} - \frac{1}{2} = g$

8. $h - 198 = 227$