



## Homework

## Activity 1

Tell the faster crew in each situation by comparing rates.

1. Crew A makes 4 sandwiches in 5 minutes. Crew B makes 6 sandwiches in 10 minutes. Which crew works faster? Compare their work after 30 minutes.
2. Crew C washes 5 cars in 10 minutes. Crew D washes 8 cars in 15 minutes. Which crew works faster? Compare their work after 30 minutes.
3. Crew E makes 5 signs in 10 minutes. Crew F makes 12 signs in 20 minutes. Which crew works faster? Compare their work after 30 minutes.

## Activity 2

Select the double inequality that best represents the word statement in each problem.

1. A child must be at least 2 years old and no more than 6 years old to attend the preschool. Use the variable  $a$  in a double inequality to represent the ages allowed at the school.  
(a)  $a \leq 2 < 6$                       (b)  $2 < a \leq 6$                       (c)  $2 \leq a \leq 6$
2. The range of test scores on the last test was no less than 50 and no higher than 80. Use the variable  $t$  in a double inequality to represent the range of test scores.  
(a)  $50 < t < 80$                       (b)  $50 \leq t \leq 80$                       (c)  $50 < t \leq 80$
3. John has more than 50 CDs in his collection but no more than 100. Use the variable  $c$  in a double inequality to represent the number of CDs he has.  
(a)  $50 < c \leq 100$                       (b)  $50 \leq c \leq 100$                       (c)  $50 < c < 100$

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Activity 3

Select the number line that represents the inequality.

1.  $-5 < x \leq 3$



2.  $30 \leq y \leq 80$



3.  $50 > w > 10$



4.  $3 \geq t > -1$



Activity 4 • Distributed Practice

Solve.

1.  $54 \div a = 6$

2.  $\frac{3}{4} \cdot \frac{5}{6} = b$

3.  $200.01 - 98.76 = c$

4.  $d + 300 = 800$

5.  $\frac{4}{q} \div \frac{1}{3} = e$

6.  $22.8 + 47.6 = f$

7.  $g \cdot 40 = 320$

8.  $h = \frac{1}{3} + \frac{1}{q}$