

Find the rate of change from the table. Answers must include units.

1. Cost of using a computer at an Internet Café.

Time (hours)	2	4	6
Cost (dollars)	7	14	21

2. Cost of renting a movie.

Time (days)	Total Cost (dollars)
4	6.00
5	8.25
6	10.50
7	12.75

3. Amount of time at an amusement park and admission fee.

Time (hours)	4	5	6
Admission Fees (\$)	34.99	34.99	34.99

4. Calories burned.





Time (minutes)	40	60	80
Calories burned	500	750	1000

5. Cost of text messages.

Number of Texts	Cost
300	12.50
350	20.00
380	24.50
450	35.00
550	50.00

Spiral Review: Multi Step Inequalities

Solve and graph each inequality

$10x + 2 < 22$  A horizontal number line with arrows at both ends. There are 11 tick marks. The rightmost tick mark is labeled 'x'. No numbers are plotted on the line.	$\frac{3}{4}x - 2 \geq 4$  A horizontal number line with arrows at both ends. There are 11 tick marks. The rightmost tick mark is labeled 'x'. No numbers are plotted on the line.
$-3(x - 3) \leq 12$  A horizontal number line with arrows at both ends. There are 11 tick marks. The rightmost tick mark is labeled 'x'. No numbers are plotted on the line.	$14 < 4 + \frac{x}{-5}$  A horizontal number line with arrows at both ends. There are 11 tick marks. The rightmost tick mark is labeled 'x'. No numbers are plotted on the line.

Solve each inequality.

$3(m - 4) < 8m - 6 - 3m$	$8x + 2 \geq 3x - 3$
$\frac{n}{-2} + 3 > 7 + 4(8 - 3)$	$4(c - 2) < 5(c + 3)$