

Name _____

Period _____

Writing and Solving Inequalities

1. Erika has at most \$20 to spend on a kayak rental. To rent a kayak costs \$12. To use the kayak costs \$3 per hour.

Write an inequality that can be used to find h , the number of hours Erika can use the rented kayak.



Solve and find the number of hours Erika can rent the kayak.

Graph your set of solutions on a numberline.

2. Lane bought a basket for \$16 and ten scented soaps to put inside it. Altogether she paid \$51 for the basket and soaps.

Write an inequality that can be used to find s , the cost of each soap.

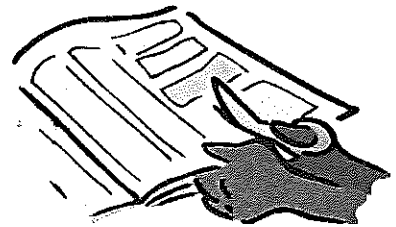


Solve and find how many soaps she can buy?

Graph your set of solutions on a numberline.

3. A company has a budget of no more than \$1000 to advertise a new product. They plan to put an ad in a magazine to create pamphlets describing the product. The magazine ad costs \$400. The cost for each pamphlet is \$2.50.

Write an inequality to describe the possible number of pamphlets, p , the company can create with their budget.



What is the solution to the inequality you wrote?

Graph your set of solutions on a numberline.