

Name : _____

Inequalities Word Problems

- 1 The sum of twice a number and 5 is at most 15. What are the possible values for the number?
- 2 Two-third of a number plus 5 is greater than 12. Find the number.
- 3 The quotient of a number and -15 is no greater than 450. What are the possible values for the number.
- 4 A store is offering a rebate of \$30 on all color printers. David is looking for different color printers that range in price from \$175 to \$260. How much does David need to spend after the rebate?

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Answers

- 1 The sum of twice a number and 5 is at most 15. What are the possible values for the number?

Ans: $x \leq 5$

The possible values for the number are [0, 1, 2, 3, 4, 5]

- 2 Two-third of a number plus 5 is greater than 12. Find the number.

Ans: $n > 10\frac{1}{2}$ or 10.5

- 3 The quotient of a number and -15 is no greater than 450. What are the possible values for the number.

Ans: $x \geq -6750$

The possible values for the number are any number greater than or equal to -6750

- 4 A store is offering a rebate of \$30 on all color printers. David is looking for different color printers that range in price from \$175 to \$260. How much does David need to spend after the rebate?

Ans: He can expect to spend somewhere between \$145 and \$230