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### Focus on Factoring a Common Binomial Factor

Factor:  $y(x + 2) + 3(x + 2)$

#### Solution

$$y(x + 2) + 3(x + 2) \quad \bullet \text{ The common binomial factor is } x + 2.$$

$$= (x + 2)(y + 3)$$

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### Check Your Understanding 3

Factor:  $a(b - 7) + b(b - 7)$

Answer ▾

Questions in the print textbook that have student-facing answers are available right within the reading experience.

### Video: Factor the Expression Using Factoring by Grouping - I

Ex. Factor completely.

$$5x - 15 + yx - 3y$$

$$\underline{5x - 15} + \underline{yx - 3y}$$

$$= 5(x \quad ?)$$

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