

Methods to Solve a Proportion

- * Use cross products
- * Use equivalent ratios
- * Simplify one of ratios first

What's the best method to use?

$$\frac{21}{25} = \frac{8}{n}$$

$$21 \cdot n = 25(8)$$

$$21n = 200$$

$$\frac{21n}{21} = \frac{200}{21}$$

$$n = 9.5238 \dots$$

$$n \approx 9.5$$

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$$\frac{12}{18} = \frac{8}{n}$$



$$\frac{2 \times 4}{3 \times 4} = \frac{8}{n}$$

$$n = 12$$

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$$\frac{11 \times 3}{7 \times 3} = \frac{n}{21}$$

$$33 = n$$

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