Reteaching Page
2.7 Solving Division Equations

$\dfrac{n}{3^3}$ = 11 - 2   Simplify 3^2 = 27

$\dfrac{n}{27}$ = 9   Simplify 11 − 2 = 9

$\dfrac{n}{27}$ * $\dfrac{27}{1}$ = 9 * 27   The inverse of ÷ 27 is * 27

Step 1: Simplify (if possible)
Step 2: Isolate the variable using inverse operations.
Step 3: Check with substitution.

n = 243

$\dfrac{243}{3^3}$ = 11 - 2   Substitute 243 for *n*

$\dfrac{243}{27}$ = 9   Simplify

Use inverse operations to solve for *n* **in the following equations.**

9 = 9

n = 243

_____1) $^n/_3$ = 6

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_____2) $^n/_9$ = 5

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_____3) $^n/(_5{}^2)$ = 4

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_____4) $^n/_7$ = 8 - 5

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