

2022 Middle School and High School Algebra 1 Solving Linear Equations

Lesson 001 | Algebra I | Linear equations

https://www.youtube.com/watch?v=h1kD_wjTAvA

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

Solve $2x + 3 = 21$.

02

Solve $7(x - 5) = 70$.

03

A class charges a \$104 registration fee and \$9 per session. The total is \$158. How many sessions?

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04

Solve $11x + 13 = 145$.

05

Solve $2(x - 10) = 6$.

06

A class charges a \$84 registration fee and \$9 per session. The total is \$129. How many sessions?

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01 Solve $2x + 3 = 21$.

Subtract 3: $2x = 18$. Divide by 2: $x = 9$.

02 Solve $7(x - 5) = 70$.

Divide by 7: $x - 5 = 10$. Add 5: $x = 15$.

03 A class charges a \$104 registration fee and \$9 per session. The total is \$158. How many sessions?

Let s be sessions. $104 + 9s = 158$; subtract 104 and divide by 9: $s = 6$.

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04

Solve $11x + 13 = 145$.

Subtract 13: $11x = 132$. Divide by 11: $x = 12$.

05

Solve $2(x - 10) = 6$.

Divide by 2: $x - 10 = 3$. Add 10: $x = 13$.

06

A class charges a \$84 registration fee and \$9 per session. The total is \$129. How many sessions?

Let s be sessions. $84 + 9s = 129$; subtract 84 and divide by 9: $s = 5$.