Review Skill: Multiply with fractions

Multiply the following fractions with Mr. Smith. This will help you solve equations that involve fractions.

Rule:

a) b) c) d)

You can use the same rule to multiply more involved fractions:

e) f) g) h)

Now that we’ve reviewed that skill, let’s motivate today’s type of solving: Solve the following 3 equations:

a) b) c)

What did you notice about the 3 solutions?

How are the three equations above related?

KEY IDEA:

Examples:

|  |  |
| --- | --- |
| Equation: | What is it asking for? |
| To clear the fractions: | |
| Solution: | Am I right? |
| Equation: | |
| To clear the fractions: | |
| Solution: | Am I right? |

|  |  |
| --- | --- |
| Equation: | |
| To clear the fractions: | |
| Solution: | Am I right? |

Try the following as practice!

|  |  |
| --- | --- |
| Equation: | |
| Solution: | Am I right? |
| Equation: | |
| Solution: | Am I right? |

Try These! The first 3 only have one fraction to clear, the final 3 have two.

a) b) c)

d) e) f)

g) h) i)

Answers:

a) x = 50 b) x = 15 c) x = 20 d) x = 6 e) x = 30 f) x = 24

g) x = 5 h) x = 4 i) x = 10