Algebraic fractions: single term denominators

Exit ticket ANSWERS Name _____

1. Write $\frac{x}{3} + \frac{2x}{7}$ as a single fraction.

$\frac{13x}{21}$

2. Write $\frac{3x}{4} - \frac{2x}{5}$ as a single fraction.

$\frac{7x}{20}$

3. Write $\frac{2}{x} + \frac{3}{4}$ as a single fraction.

$\frac{8 + 3x}{4x}$

The Maths Habit

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Exit ticket # Algebraic fractions: single term denominators

NEXT LESSON

1 **Write $\frac{x}{3} + \frac{2x}{7}$ as a single fraction.**

$\frac{13x}{21}$

TESTS Adding fractions with number denominators

LOOK FOR

$\frac{3x}{10}$ the numerators added and the denominators added

$\frac{2x^2}{21}$ multiplied, not added

FIX IT

Write $\frac{2x}{3} + \frac{x}{7}$ as a single fraction. $\frac{17x}{21}$

2 **Write $\frac{3x}{4} - \frac{2x}{5}$ as a single fraction.**

$\frac{7x}{20}$

TESTS Subtracting fractions with number denominators

LOOK FOR

$\frac{x}{20}$ over 20, but the numerators not multiplied by 5 and 4

$\frac{23x}{20}$ added, not subtracted

FIX IT

Write $\frac{4x}{7} - \frac{x}{2}$ as a single fraction. $\frac{x}{14}$

3 **Write $\frac{2}{x} + \frac{3}{4}$ as a single fraction.**

$\frac{8 + 3x}{4x}$

TESTS A single letter denominator

LOOK FOR

$\frac{5}{x + 4}$ the numerators added and the denominators added

$\frac{2 + 3x}{4x}$ the 2 not multiplied by 4

FIX IT

Write $\frac{5}{x} + \frac{1}{3}$ as a single fraction. $\frac{15 + x}{3x}$