Topic 22 Fractions

Version: PRACTICE

No Calculators, Simplify when needed

Key

Problem	Show Work	Answer as a Mixed Number	Answer as an Improper Fraction
$\frac{3}{2}+\frac{1}{4}=x$	$(2)\frac{3}{2}+\frac{1}{4}=x$ $(2)2$ $\frac{6+1}{4}=x \quad x=\frac{7}{4}$	$1\frac{3}{4}$	$\frac{7}{4}$
$\frac{3}{2}-\frac{1}{4}=x$	$(2)\frac{3}{2}-\frac{1}{4}=x$ (2) $\frac{6-1}{4}=x \quad x=\frac{5}{4}$	$1\frac{1}{4}$	$\frac{5}{4}$
$\frac{3}{2}\cdot\frac{1}{4}=x$	$\frac{3\cdot1}{2\cdot4}=x$ $x=\frac{3}{8}$	$\frac{3}{8}$	N/A
$\frac{3}{2}\div\frac{1}{4}=x$	$\frac{3}{2}\cdot\frac{4}{1}=x$ $x=\frac{12}{2}=6$	6	$\frac{6}{1}$
$\frac{3}{7}+\frac{4}{5}=x$	$(5)\frac{3}{7}+\frac{4}{5}\frac{(7)}{(7)}x$ (5) $\frac{15+28}{35}=x \quad x=\frac{43}{35}$	$1\frac{8}{35}$	$\frac{43}{35}$
$\frac{3}{7}-\frac{4}{5}=x$	$(5)\frac{3}{7}-\frac{4}{5}\frac{(7)}{(7)}=x$ (5) $x=\frac{15-28}{35} \quad x=\frac{-13}{35}$	$-\frac{13}{35}$	N/A
$\frac{3}{7}\cdot\frac{4}{5}=x$	$\frac{3}{7}\cdot\frac{4}{5}=\frac{12}{35}$ $x=\frac{12}{35}$	$\frac{12}{35}$	N/A
$\frac{3}{7}\div\frac{4}{5}=x$	$\frac{3}{7}\cdot\frac{5}{4}=\frac{15}{28}$	$\frac{15}{28}$	N/A