

Topic 22 Fractions
Version: PRACTICE
No Calculators, Simplify when needed

Key

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