$\frac{y}{15}-\frac{2}{3}=\frac{4}{5}$

1) Find the lowest common multiple of 15,3 and 5 . We take this step because the goal is to clear away all the fractions. Let's list the multiples of 15,3 and 5 .
The multiples of 15 are: $15,30,45,60, \ldots$
The multiples of 3 are: $\quad 3,6,9,12,15,18, .$.
The multiples of 5 are: $5,10,15,20 \ldots$
2) We now see that 15 is the least common multiple of the denominators, so we multiply the whole equation by 15 .
$15\left(\frac{y}{15}-\frac{2}{3}=\frac{4}{5}\right)$
$15 \cdot \frac{y}{15}-\frac{15 \cdot 2}{3}=\frac{15 \cdot 4}{5}$
$\left(\frac{15}{15}\right) y-\left(\frac{15}{3}\right) 2=\left(\frac{15}{5}\right) 4 \quad$ regroup so you can divide
$y-5 \cdot 2=3 \cdot 4 \quad$ simplify by dividing
$y-10=12 \quad$ multiply
$y=22 \quad$ add 10 to both sides
