

Solutions

2.1 Add 7 then divide by 5: $x=(18+7)/5=5$.

2.2 Divide by 2 then subtract 3: $x=9-3=6$.

2.3 Substitute the usage: $20+3\times 12=56$.

3.1 False. At $x=2$ the fraction is $5/2$, not 3. Splitting the numerator gives $1+3/x$; cancellation applies to common factors, not terms in a sum.

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.