**Samples** **Solve equation SOLUTIONS**

**1.** $2+\dfrac{-2}{5x}=-1$, so $\dfrac{-2}{5x}=-2-1$, so $\dfrac{-2}{5x}=-3$, so $-2=-3\times 5x$, so $-2=-15x$, so $x=\dfrac{-2}{-15}$

Hence solution is: $x=\dfrac{2}{15}$

**2.** $1+\dfrac{1}{-3x}=5$, so $\dfrac{-1}{3x}=-1+5$, so $\dfrac{-1}{3x}=4$, so $-1=4\times 3x$, so $-1=12x$, so $x=\dfrac{-1}{12}$

Hence solution is: $x=-\dfrac{1}{12}$

**3.** $\dfrac{5}{-x}-1=1$, so $\dfrac{-5}{x}=1+1$, so $\dfrac{-5}{x}=2$, so $-5=2x$, so $x=\dfrac{-5}{2}$

Hence solution is: $x=-\dfrac{5}{2}$

**4.** $3+\dfrac{2}{-5x}=6$, so $\dfrac{-2}{5x}=-3+6$, so $\dfrac{-2}{5x}=3$, so $-2=3\times 5x$, so $-2=15x$, so $x=\dfrac{-2}{15}$

Hence solution is: $x=-\dfrac{2}{15}$

**5.** $3+\dfrac{4}{z}=-5$, so $\dfrac{4}{z}=-3-5$, so $\dfrac{4}{z}=-8$, so $4=-8z$, so $z=\dfrac{4}{-8}$

Hence solution is: $z=-\dfrac{1}{2}$