

$$\begin{aligned}
 ? &\rightarrow \boxed{\times 2} \rightarrow \boxed{\div 3} \rightarrow -4 \\
 \div 2 &\leftarrow \times 3 \leftarrow -4 \\
 \div 2 &\leftarrow -12 \\
 &\quad \quad \quad \downarrow \\
 &\quad \quad \quad 6
 \end{aligned}$$

$$\begin{aligned}
 ? &\rightarrow \boxed{\times 6} \rightarrow \boxed{\div 3} \rightarrow -6 \\
 \div -6 &\leftarrow \boxed{\times 3} \leftarrow -6 \\
 -6 \div 18 &\quad 3 \times -6 \\
 -3 &
 \end{aligned}$$

$$\begin{aligned}
 ? &\rightarrow \boxed{\times 2} \rightarrow \boxed{+2} \rightarrow \boxed{\div 20} \rightarrow \boxed{+1} \rightarrow 0 \\
 \div 2 &\leftarrow \boxed{-2} \leftarrow \boxed{\times 20} \leftarrow \boxed{-1} \leftarrow 0 \\
 \div 2 - 22 &\quad -20 \quad 20 \times -1 \\
 -11 &\quad \quad \quad -2
 \end{aligned}$$

$$\begin{aligned}
 \times 2 &\rightarrow +2 \rightarrow \div 20 \rightarrow +1 \rightarrow 0 \\
 \div 2 &\leftarrow -2 \leftarrow \times 20 \leftarrow (-1) \leftarrow 0 \\
 2 \div -22 &= \frac{20}{-22} \quad -1 \times 20 = -20
 \end{aligned}$$

$$\begin{aligned}
 ? &\rightarrow \boxed{\times -3} \rightarrow \boxed{-4} \rightarrow \boxed{\div 5} \rightarrow 5 \\
 \div (-3) &\leftarrow +4 \leftarrow \times 5 \leftarrow -5 \\
 -21 &\quad +4 \leftarrow -25
 \end{aligned}$$

$$\begin{aligned}
 ? &\rightarrow \boxed{\times -5} \rightarrow \boxed{\div -8} \rightarrow 5 \\
 \div -5 &\quad \quad \quad \times -8 \leftarrow 5 \\
 \div 5 &\leftarrow \sqrt{40}
 \end{aligned}$$