

$$10 \div \{ 3 + (8 - 12 \div 3) \} \times 14 - 2$$

$$\begin{aligned} & 10 \div \{3 + (8 - 12 \div 3)\} \times 14 - 2 \\ &= 10 \div \{3 + (8 - 4)\} \times 14 - 2 \\ &= 10 \div (3 + 4) \times 14 - 2 \\ &= 10 \div 7 \times 14 - 2 \\ &= \frac{10}{7} \times 14 - 2 \\ &= 20 - 2 \\ &= 18 \end{aligned}$$