FACTOR PAIRS PRACTICE

Solve each using prime factorization and factor pairs.

Mr. Merrick · October 2, 2025.

1. Find integers \heartsuit, \diamondsuit such that

2. Find integers \clubsuit , \spadesuit such that

3. Find integers \star , \odot such that

$$\begin{array}{rcl} \star \times \odot & = & 20 \\ \star + \odot & = & -9 \end{array}$$

4. Find integers \diamondsuit , \clubsuit such that

5. Find integers \heartsuit , \spadesuit such that

6. Find integers
$$\odot$$
, \diamondsuit such that

7. Find integers
$$\star, \heartsuit$$
 such that

$$\begin{array}{rcl} \star \times \heartsuit & = & 16 \\ \star + \heartsuit & = & -10 \end{array}$$

9. Find integers
$$\clubsuit$$
, \diamondsuit such that

10. Find integers
$$\star$$
, \spadesuit such that

$$\begin{array}{rcl} \star \times \spadesuit & = & -40 \\ \star + \spadesuit & = & -3 \end{array}$$