Find the total area of the combined rectangles.

Solve for x. Show your work.

1. {L-shaped figure: Horizontal 10 × 4, Vertical part 4 × 4}

2. {Three rectangles: 4 × 2, 6 × 2, 4 × 3}

3. {L-shaped figure: Horizontal 10 × 5, Vertical part 4 × 3}

4. {L-shaped figure: Horizontal 10 × 3, Vertical part 5 × 4}

5. {L-shaped figure: Horizontal 8 × 3, Vertical part 4 × 4}

6. {L-shaped figure: Horizontal 8 × 3, Vertical part 3 × 2}

7. {Three rectangles: 5 × 3, 5 × 3, 3 × 4}

8. {Three rectangles: 5 × 4, 6 × 2, 3 × 2}

Find the total area of the combined rectangles. – Answer Key

1. {L-shaped figure: Horizontal 10 × 4, Vertical part 4 × 4}

2. {Three rectangles: 4 × 2, 6 × 2, 4 × 3}
   32

3. {L-shaped figure: Horizontal 10 × 5, Vertical part 4 × 3}

4. {L-shaped figure: Horizontal 10 × 3, Vertical part 5 × 4}

5. {L-shaped figure: Horizontal 8 × 3, Vertical part 4 × 4}

6. {L-shaped figure: Horizontal 8 × 3, Vertical part 3 × 2}

7. {Three rectangles: 5 × 3, 5 × 3, 3 × 4}
   42

8. {Three rectangles: 5 × 4, 6 × 2, 3 × 2}
   38

56

50