

25

Good job!

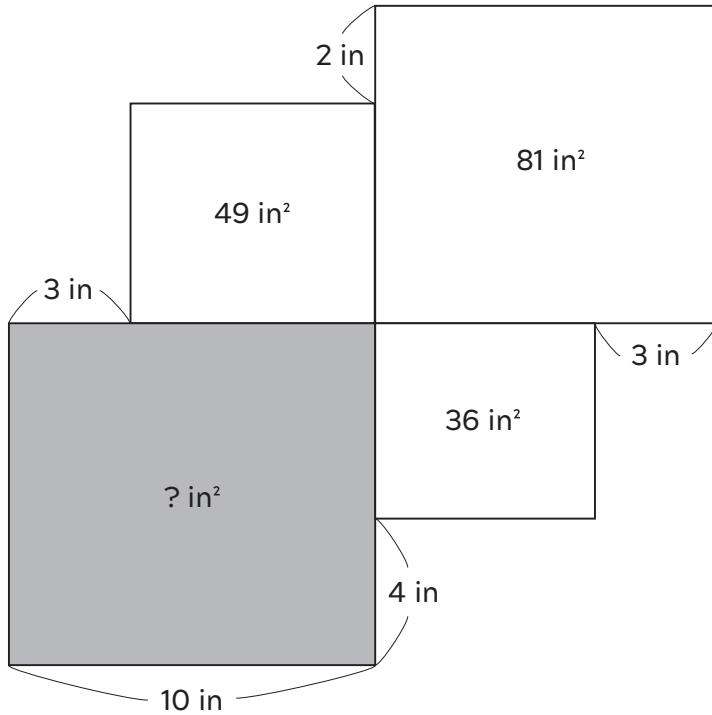
Great!

Amazing!

5 min

1 min

30 sec



Solution

26

Good job!

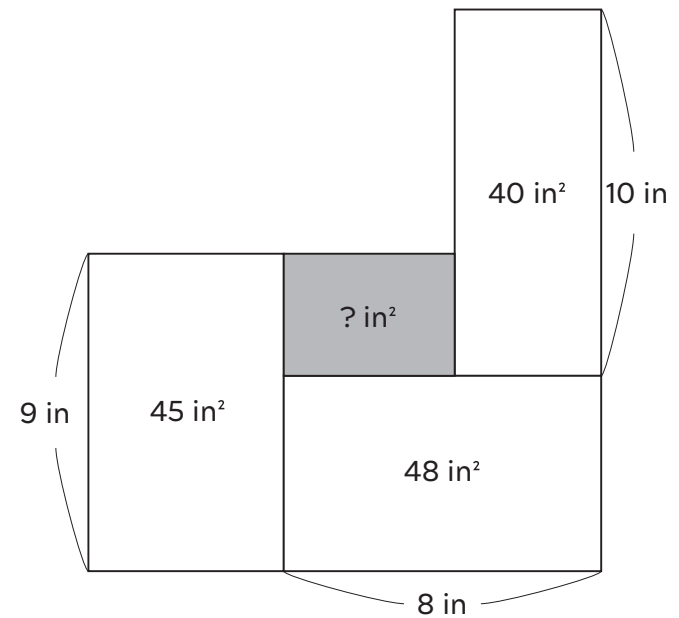
Great!

Amazing!

5 min

1 min

30 sec



Solution



27

Good job!

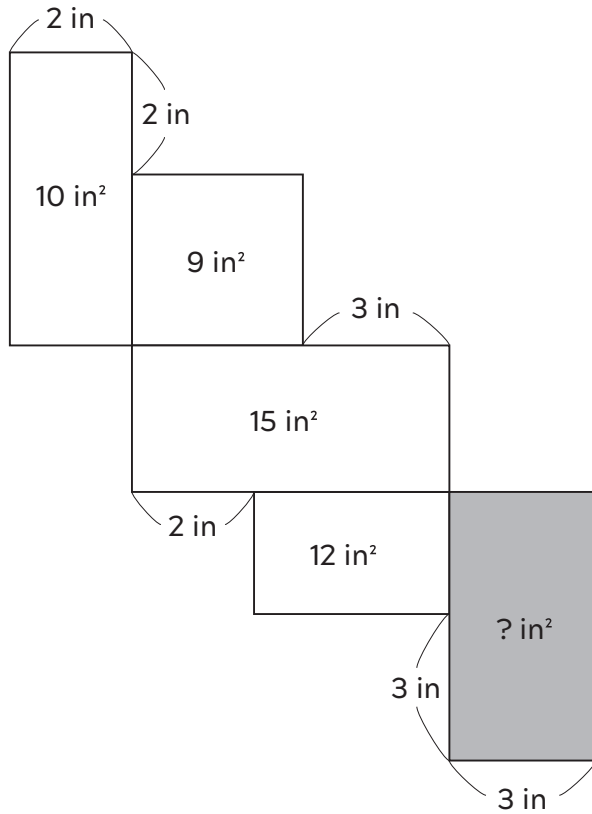
Great!

Amazing!

5 min

1 min

30 sec



Solution

28

Good job!

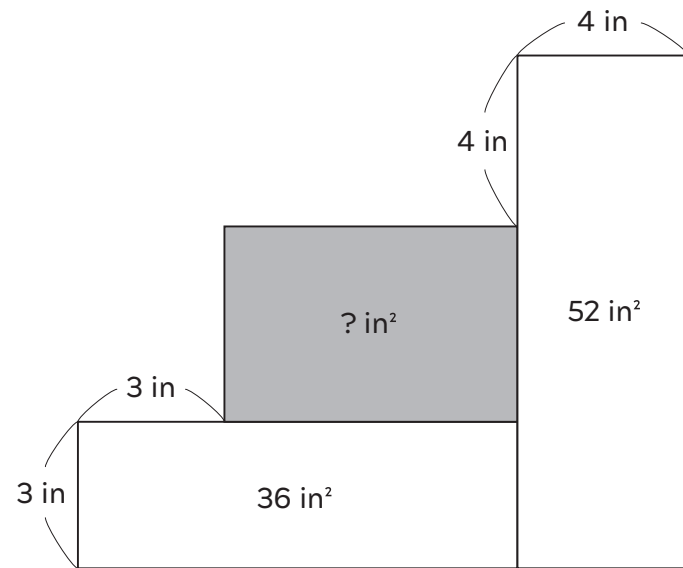
Great!

Amazing!

5 min

1 min

30 sec



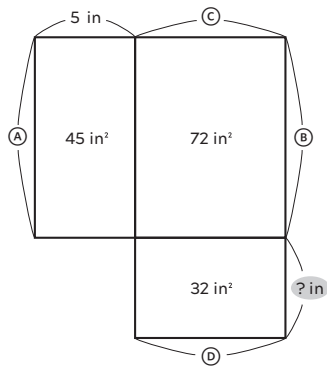
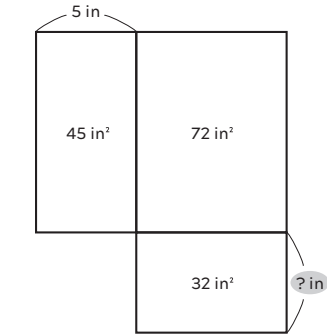
Solution



HOW TO SOLVE AREA MAZES

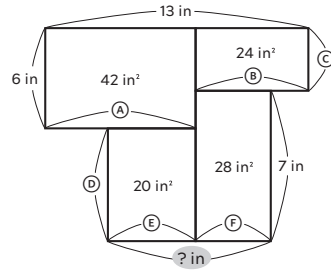
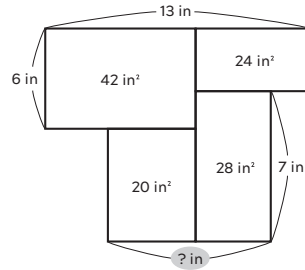
Using the given values, find $\textcircled{?}$. Remember, area = height \times width.

If your calculation creates a fraction or decimal, STOP and look for another way. Area mazes are solved using whole numbers only! (However, do not assume that every value in the diagram must be whole.)



EXAMPLE ONE

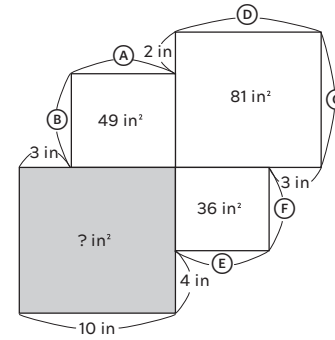
Find \textcircled{A} ... $45 \div 5 = 9$ in.
 Find \textcircled{B} ... This is the same as \textcircled{A} , so 9 in.
 Find \textcircled{C} ... $72 \div 9 = 8$ in.
 Find \textcircled{D} ... This is the same as \textcircled{C} , so 8 in.
 Length $\textcircled{?}$ is $32 \div 8 = 4$ in.



EXAMPLE TWO

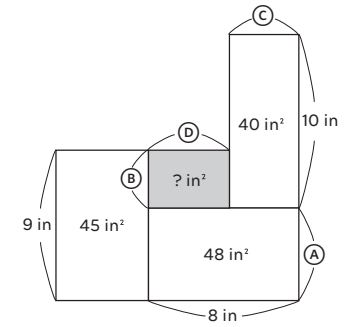
Find \textcircled{A} ... $42 \div 6 = 7$ in.
 Find \textcircled{B} ... $13 - \textcircled{A} = 6$ in.
 Find \textcircled{C} ... $24 \div \textcircled{B} = 4$ in.
 Find the total height of the puzzle ...
 $\textcircled{C} + 7 = 11$ in.
 Use the total height to find \textcircled{D} ...
 $11 - 6 = 5$ in.
 Find \textcircled{E} ... $20 \div \textcircled{D} = 4$ in.
 Find \textcircled{F} ... $28 \div 7 = 4$ in.
 Length $\textcircled{?}$ is $\textcircled{E} + \textcircled{F} = 8$ in.

SOLUTIONS



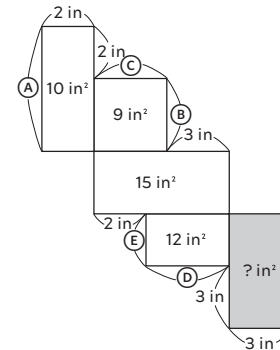
Puzzle 25

- \textcircled{A} ... $10 - 3 = 7$ in. \textcircled{E} ... $\textcircled{D} - 3 = 6$ in.
 \textcircled{B} ... $49 \div \textcircled{A} = 7$ in. \textcircled{F} ... $36 \div \textcircled{E} = 6$ in.
 \textcircled{C} ... $\textcircled{B} + 2 = 9$ in. Area $\textcircled{?}$ is $(\textcircled{F} + 4) \times 10$
 \textcircled{D} ... $81 \div \textcircled{C} = 9$ in. = 100 in.²



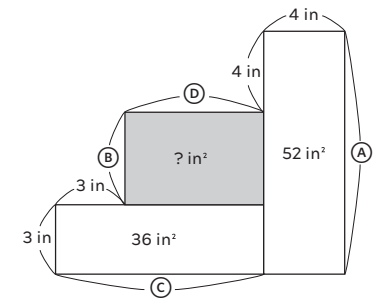
Puzzle 26

- \textcircled{A} ... $48 \div 8 = 6$ in. \textcircled{D} ... $8 - \textcircled{C} = 4$ in.
 \textcircled{B} ... $9 - \textcircled{A} = 3$ in. Area $\textcircled{?}$ is $\textcircled{B} \times \textcircled{D} = 12$ in.²
 \textcircled{C} ... $40 \div 10 = 4$ in.



Puzzle 27

- \textcircled{A} ... $10 \div 2 = 5$ in. \textcircled{E} ... $12 \div \textcircled{D} = 3$ in.
 \textcircled{B} ... $\textcircled{A} - 2 = 3$ in. Area $\textcircled{?}$ is $(\textcircled{E} + 3) \times 3$
 \textcircled{C} ... $9 \div \textcircled{B} = 3$ in. = 18 in.²
 \textcircled{D} ... $\textcircled{C} + 3 - 2 = 4$ in.



Puzzle 28

- \textcircled{A} ... $52 \div 4 = 13$ in. \textcircled{D} ... $\textcircled{C} - 3 = 9$ in.
 \textcircled{B} ... $\textcircled{A} - 4 - 3 = 6$ in. Area $\textcircled{?}$ is $\textcircled{B} \times \textcircled{D} = 54$ in.²
 \textcircled{C} ... $36 \div 3 = 12$ in.

