Area in Square Units
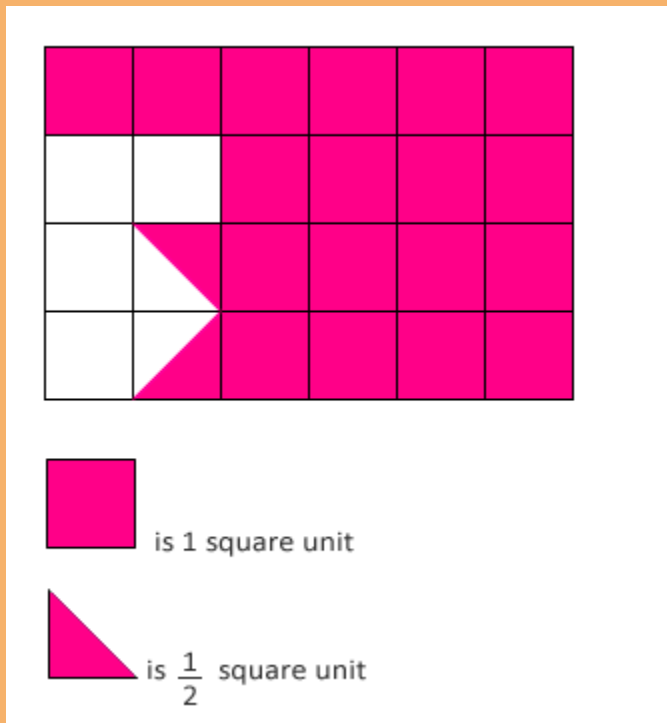
FREE Worksheet - 1

Time: 20 minutes

(Detailed solutions at the end)
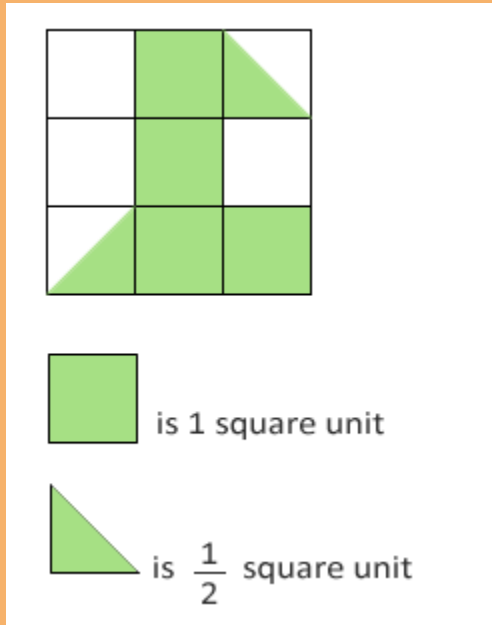
1. What is the area of the shaded figure below?

is 1 square unit
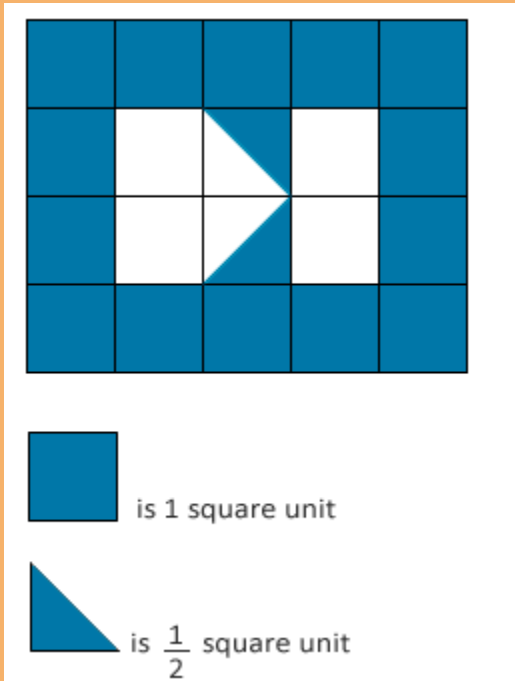
is $\frac{1}{2}$ square unit

Answer: _____ square units

2. What is the area of the shaded figure below?

is 1 square unit

is $\frac{1}{2}$ square unit

Answer: _____ square units

3. What is the area of the shaded figure below?

◻ is 1 square unit

◣ is $\frac{1}{2}$ square unit

Answer: _____ square units

4. What is the total area of the two shaded figures given below?

is 1 square unit
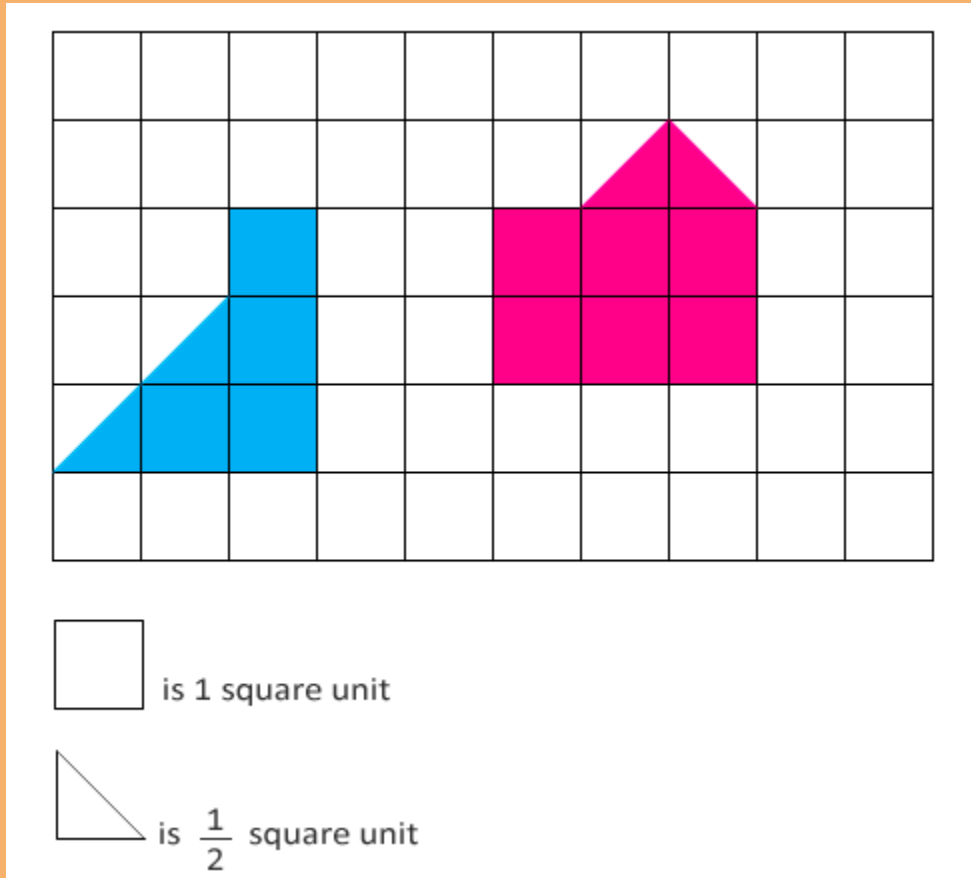
is $\frac{1}{2}$ square unit

Answer: _____ square units

5. What is the total area of the two shaded figures given below?
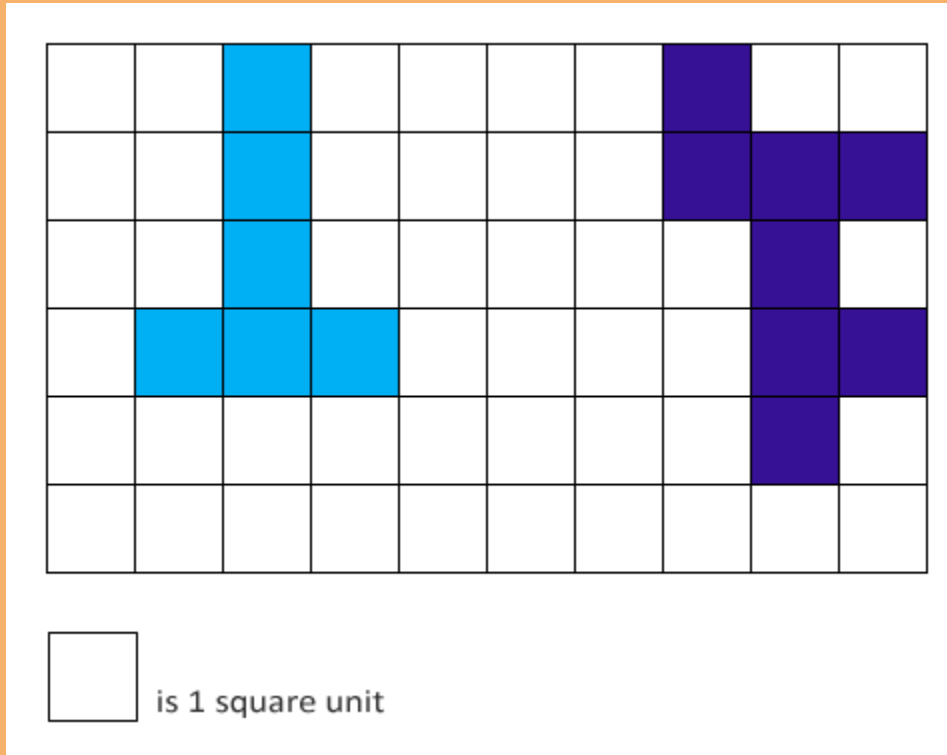
is 1 square unit

Answer: _____ square units

SOLUTIONS

Problem 1

Number of full shaded squares in the figure = 18

Number of half shaded squares in the figure = 2 = 1 full square

Total number of shaded squares in the figure = 19

Area of the shaded figure = 19 square units

Problem 2

Number of full shaded squares in the figure = 4

Number of half shaded squares in the figure = 2 = 1 full square

Total number of shaded squares in the figure = 5

Area of the shaded figure = 5 square units

Problem 3

Number of full shaded squares in the figure = 14

Number of half shaded squares in the figure = 2 = 1 full square

Total number of shaded squares in the figure = 15

Area of the shaded figure = 15 square units

Problem 4

Area of the blue figure = 5

Area of the pink figure = 7

Total area of the 2 shaded figures = 5 + 7 = 12 square units

Problem 5

Area of the light blue figure = 6

Area of the dark blue figure = 8

Total area of the 2 shaded figures = 6 + 8 = 14 square units