

Center Activity Answer Key

Activity 3.40

Square Units

★ Check Understanding

Check that the shape has an area of 7 square units. Possible answer: I know it has an area of 7 square units, because it is made up of 7 squares. I put a number in each square to count.

Recording Sheet

Check students' drawings.

Row 1: shape with 8 square units
shape with 5 square units

Row 2: shape with 12 square units
shape with 10 square units

Row 3: shape with 9 square units
shape with 11 square units

★★ Check Understanding

Check that the shape has an area of 11 square units. Possible answer: I know it has an area of 11 square units, because it is made up of 11 squares. I put a dot in each square to count.

Recording Sheet

Check students' drawings.

Row 1: shape with 7 square units
shape with 20 square units

Row 2: shape with 12 square units
shape with 10 square units

Row 3: shape with 17 square units
shape with 16 square units

★★★ Check Understanding

Check that the shape has an area of 23 square units. Possible answer: I know it has an area of 23 square units, because it is made up of 23 squares. I put a dot in each square to count.

Recording Sheet

Drawings will vary.

Row 1: shape with 18 square units
shape with 25 square units

Row 2: shape with 32 square units
shape with 21 square units

Row 3: shape with 19 square units
shape with 13 square units

Center Activity Answer Key

Activity 3.41

Find Area

★ Check Understanding

Check the area. Possible answer: I counted how many squares are in the rectangle.

Recording Sheet

- A:** rectangle with 6 square units
- B:** rectangle with 14 square units
- C:** rectangle with 15 square units
- D:** rectangle with 2 square units
- E:** rectangle with 12 square units
- F:** rectangle with 4 square units

★★ Check Understanding

Check the area. Possible answer: I counted how many squares are in the rectangle.

Recording Sheet

- A:** rectangle with 6 square units
- B:** rectangle with 14 square units
- C:** rectangle with 4 square units
- D:** rectangle with 2 square units
- E:** rectangle with 18 square units
- F:** square with 25 square units

★★★ Check Understanding

Check the areas. Possible answer: I counted how many squares are in each rectangle.

Recording Sheet

- A:** shape with 13 square units
- B:** shape with 9 square units
- C:** shape with 4 square units
- D:** shape with 17 square units
- E:** shape with 11 square units
- F:** shape with 5 square units

Center Activity Answer Key

Activity 3.42

Area Game

★ Check Understanding

Check that the shape has an area of 9 square units. Possible answer: I counted each square to make sure there are 9.

Recording Sheet

Toss 1: shape with 6 square units

Toss 2: shape with 15 square units

Toss 3: shape with 14 square units

Toss 4: shape with 8 square units

Toss 5: shape with 20 square units

Toss 6: shape with 13 square units

★★ Check Understanding

Check that the shape has an area of 13 square units. Possible answer: I counted each square to make sure there are 13.

Recording Sheet

Toss 1: shape with 7 square units

Toss 2: shape with 20 square units

Toss 3: shape with 15 square units

Toss 4: shape with 17 square units

Toss 5: shape with 31 square units

Toss 6: shape with 23 square units

★★★ Check Understanding

Check that the shape has an area of 19 square units. Possible answer: I counted each square to make sure there are 19.

Recording Sheet

Toss 1: shape with 13 square units

Toss 2: shape with 26 square units

Toss 3: shape with 33 square units

Toss 4: shape with 23 square units

Toss 5: shape with 17 square units

Toss 6: shape with 21 square units

Center Activity Answer Key

Activity 3.43

Area Problems

★ Check Understanding

56 square feet; Possible answer:
I multiplied 7×8 .

Recording Sheet

Order of numbers may vary.

A: $5 \text{ ft} \times 9 \text{ ft} = 45 \text{ square ft}$

B: $7 \text{ ft} \times 3 \text{ ft} = 21 \text{ square ft}$

C: $10 \text{ cm} \times 5 \text{ cm} = 50 \text{ square cm}$

D: $5 \text{ yd} \times 7 \text{ yd} = 35 \text{ square yd}$

E: $4 \text{ in.} \times 4 \text{ in.} = 16 \text{ square in.}$

F: $8 \text{ ft} \times 10 \text{ ft} = 80 \text{ square ft}$

★★ Check Understanding

72 square feet; Possible answer:
I multiplied 9×8 .

Recording Sheet

Order of numbers may vary.

A: $8 \text{ ft} \times 10 \text{ ft} = 80 \text{ square ft}$

B: $7 \text{ ft} \times 3 \text{ ft} = 21 \text{ square ft}$

C: $20 \text{ cm} \times 5 \text{ cm} = 100 \text{ square cm}$

D: $6 \text{ yd} \times 8 \text{ yd} = 48 \text{ square yd}$

E: $5 \text{ in.} \times 5 \text{ in.} = 25 \text{ square in.}$

F: $10 \text{ ft} \times 12 \text{ ft} = 120 \text{ square ft}$

★★★ Check Understanding

8 feet; Possible answer: I divided 72 by 9.

Recording Sheet

A: 10 feet

B: no

C: 20 cm

D: 8 inches

E: Check drawings. Possible labels in any
number order: 1 ft, 12 ft; 2 ft, 6; 3 ft, 4 ft

F: Check drawings. Possible labels in any
number order: 1 ft, 18 ft; 2 ft, 9; 3 ft, 6 ft