

Center Activity Answer Key

Activity 3.48

Quadrilaterals

★ Check Understanding

Check that the drawing is a quadrilateral with 4 square corners.

Recording Sheet

Check students' drawings.

Toss 1: shape with 2 pairs of parallel sides

Toss 2: shape with all sides equal

Toss 3: shape with only 2 equal sides

Toss 4: shape with opposite sides equal

Toss 5: shape with at least 2 square corners

Toss 6: shape with no equal sides

★★ Check Understanding

Check that the drawing is of two quadrilaterals that have only 1 pair of parallel sides.

Recording Sheet

Toss 1: shape with 2 pairs of parallel sides

Toss 2: shape with all sides equal

Toss 3: shape with only 2 equal sides

Toss 4: shape with 2 pairs of equal sides

Toss 5: shape with only 2 square corners

Toss 6: shape with no equal sides

★★★ Check Understanding

Check that the drawing is of three quadrilaterals that have only 1 pair of parallel sides. Possible names: trapezoid, quadrilateral

Recording Sheet

Toss 1: shape with 2 pairs of parallel sides that is not a rectangle

Toss 2: shape with all sides equal and no square corners

Toss 3: shape with only 2 equal sides and 2 square corners

Toss 4: shape with 2 pairs of equal sides with 4 square corners

Toss 5: 2 pairs of equal sides with 4 square corners and 4 equal sides

Toss 6: shape with no equal sides and no square corners

Center Activity Answer Key

Activity 3.49

Equal Areas

★ Check Understanding

Check that drawings show rectangles divided into 8 equal parts with 2 different parts shaded on each.

Recording Sheet

Check students' drawings. Number of parts that should be shaded for each shape:

A: 3 parts

B: 5 parts

C: 4 parts

D: 3 parts

E: 5 parts

F: 4 parts

★★ Check Understanding

Check that drawings show rectangles divided into 12 equal parts with 3 different parts shaded on each.

Recording Sheet

Check students' drawings. Number of parts that should be shaded for each shape:

A: 3 parts

B: 5 parts

C: 6 parts

D: 4 parts

E: 5 parts

F: 5 parts

★★★ Check Understanding

Check that drawings show rectangles divided into 12 equal parts with 4 parts shaded on each.

Recording Sheet

Check students' drawings. Number of parts that should be shaded for each shape:

A: 5 parts; $\frac{5}{15}$

B: 4 parts; $\frac{4}{32}$

C: 6 parts; $\frac{6}{12}$

D: 3 parts; $\frac{3}{24}$

E: 3 parts; $\frac{3}{12}$

F: 2 parts; $\frac{2}{12}$

Center Activity Answer Key

Activity 3.50

Divide Shapes

★ Check Understanding

Check students' drawings. The rectangle should have 4 equal parts with 1 part shaded, $\frac{1}{4}$

Recording Sheet

Possible drawings:

Row 1: 3 equal parts with 1 part shaded

4 equal parts with 1 part shaded

Row 2: 6 equal parts with 1 part shaded

2 equal parts with 1 part shaded

Row 3: 8 equal parts with 1 part shaded

4 equal parts with 1 part shaded

★★ Check Understanding

Check students' drawings. The rectangle should have 8 equal parts with 1 part shaded, $\frac{1}{8}$

Recording Sheet

Check students' drawings.

Row 1: 8 equal parts with 1 part shaded

2 equal parts with 1 part shaded

Row 2: 4 equal parts with 1 part shaded

6 equal parts with 1 part shaded

Row 3: 3 equal parts with 1 part shaded

4 equal parts with 1 part shaded

★★★ Check Understanding

Check students' drawings. The square should have 8 equal parts with 1 part shaded, $\frac{1}{8}$

Recording Sheet

Possible drawings and fractions:

Row 1: 3 equal parts with 1 part shaded; $\frac{1}{3}$,
6 of 18 parts shaded

4 equal parts with 1 part shaded; $\frac{1}{4}$,
8 of 32 parts shaded

Row 2: 6 equal parts with 1 part shaded; $\frac{1}{6}$,
6 of 36 parts shaded

2 equal parts with 1 part shaded; $\frac{1}{2}$,
12 of 24 parts shaded

Row 3: 8 equal parts with 1 part shaded; $\frac{1}{8}$,
4 of 32 parts shaded

4 equal parts with 1 part shaded; $\frac{1}{4}$,
16 of 64 squares shaded