Name _____ Date _____

Fourths
Homework

Dear Family Member:

In class your child is learning about fractions. To complete this homework, it is important to understand that the unit whole must be divided into equal-size parts. For example, to show halves, the unit whole must be divided into two equal parts. Thank you.

Look at the shapes following the questions. Decide if each shape is divided into fourths. Cut out the shapes to help you decide. Circle 'does' or 'does not.' Then finish each statement to show or tell how you decided.

A. Shape A does (or does not) show fourths because...

B. Shape B does (or does not) show fourths because...

C. Shape C does (or does not) show fourths because...

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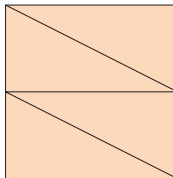## Student Activity Book

Fourths (SAB pp. 331–333)
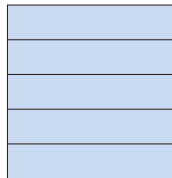### Questions A–F

Answers will vary. Possible response:

A. Shape A does show fourths because there are four pieces and each piece is the same size. This means that one of the pieces can be flipped to fit in all of the other spaces.

B. Shape B does not show fourths because there are five pieces, not four.

C. Shape C does not show fourths because the four pieces are not the same size.

D. Shape D does show fourths because there are four pieces that are all equal in size.

E. Shape E does not show fourths because the pieces are not the same size.

F. Shape F does not show fourths because the four pieces are not the same size.

Name _____ Date _____

D. Shape D does (or does not) show fourths because...

E. Shape E does (or does not) show fourths because...

F. Shape F does (or does not) show fourths because...

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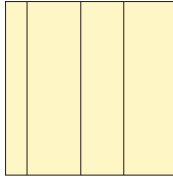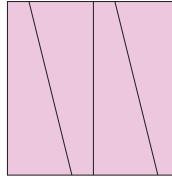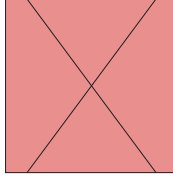*Student Activity Book* - Page 332
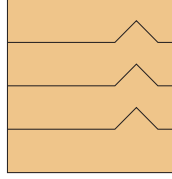

Name _____ Date _____

Shape A   Shape B

Shape C   Shape D

Shape E   Shape F

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Fractions in Shapes (SAB pp. 335–336)
Questions 1–4

1. **A.**

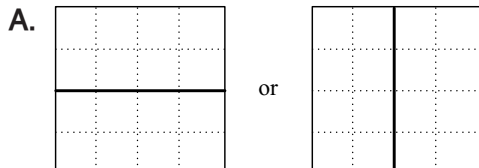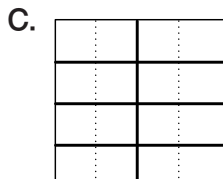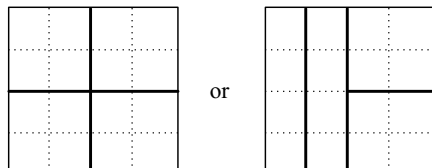Eggs   Design   Cake   Pan of Lasagna
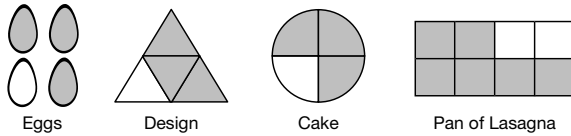
B. Student's drawings will vary.
Possible response:

2. Answers will vary. Possible partitions are shown for each. Whatever partitions students use should have the same area.

A.

 or

B.* See Figure 14 in the Lesson Guide.

 or

C.

3. Wording may vary.
   A.* $\frac{1}{8}$ or $\frac{2}{16}$
   one-eighth or two of sixteen
   B. $\frac{12}{16}$ or $\frac{3}{4}$
   twelve of sixteen or three-fourths
   C.* $\frac{1}{2}$ or $\frac{8}{16}$
   one-half or eight of sixteen

4. Answers will vary.
   Possible solution:

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Fractions in Shapes

1. **A.** Shade each picture to show $\frac{3}{4}$ of each whole:

Eggs   Design   Cake   Pan of Lasagna

B. Draw another picture to show $\frac{3}{4}$.

2. The large square is one whole. Show each whole divided into parts.
   A. halves   **B.** fourths   **C.** eighths

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3. What fraction of each large square is shaded? Show your answer in symbols and words. Use the *Writing Numbers in Words* page in the Reference section of the *Student Guide*.

A.   **B.**   **C.**

Number _____   Number _____   Number _____

Words _____   Words _____   Words _____

4. If is one-fourth, show one whole.

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***Answers and/or discussion are included in the lesson.**

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Fraction Chart (SAB p. 338)
Questions A–E

A. , $\frac{1}{2}$

B. One-half, $\frac{1}{2}$.
C. Three-fourths, $\frac{3}{4}$.

D. , $\frac{1}{8}$

E. , $\frac{3}{5}$