

Student Activity Book

**Shapes (SAB pp. 285–286)
Questions 1–7**

One possible estimate is listed for each shape. As described in the Lesson, students find ranges of estimates that are “close enough” to the median estimate.

- 1.* About 16 sq cm
- 2. About 28 sq cm
- 3. About 44 sq cm
- 4. About 35 sq cm
- 5. About 90 sq cm
- 6.* About 80 sq cm
- 7.* About 103 sq cm

Name _____ Date _____

Shapes

Estimate the area of your assigned shape. Record your group's estimates in a data table.

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Name _____ Date _____

Estimate the area of your assigned shape. Record your group's estimates in a data table.

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

Close Enough Estimates (SAB p. 287)


Homework

Questions 1–2

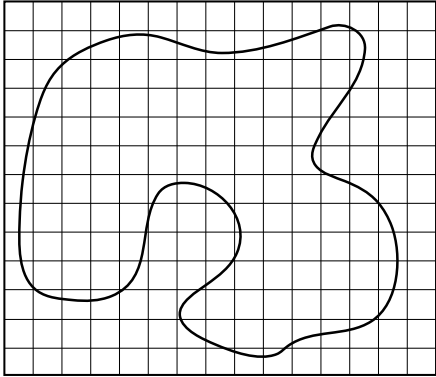
1. **A.** 116 sq cm
B. 138 sq cm is 22 sq cm from the median; all other data points are in a cluster around the median.
C. The median does not change.
2. The area is about 98 sq cm. The median of the listed estimates is 102 sq cm. If 98 sq cm is added to the list, the median is 100 sq cm. Both 75 sq cm and 155 sq cm are on the outer limits of our data. The rest of the estimates cluster around either median and can be considered good estimates.

Name _____ Date _____

Close Enough Estimates



1. Michelle's group made the following estimates for the area of a shape: 116 sq cm, 112 sq cm, 118 sq cm, 138 sq cm, and 116 sq cm.
 - A.** Find the median of this set of estimates.
 - B.** Look at the data. Compare the estimates. Do any of the estimates seem to not fit with the others? If so, which one or ones?
 - C.** Take out any estimates that seem "way off." Now find the median of the remaining data. Did the median change? If the median changed, by how much did it change?
2. Find the area of Maya's shape below. Which of these estimates would you consider to be "close enough": 95 sq cm, 108 sq cm, 155 sq cm, 104 sq cm, 75 sq cm, 100 sq cm? Explain how you made your choices.



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