

Mathematics, Grade 6

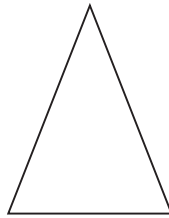
- 21 Dolores bought a package of corn seeds. She wanted to use all the seeds in the package to plant two or more rows of corn with the same number of seeds in each row, but she found that this was **not** possible. Which of the following could have been the number of seeds in the package?
- A. 32
 - B. 33
 - C. 35
 - D. 37

*Reporting Category for Item 21: **Number Sense and Operations***

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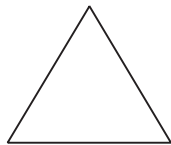
Use the ruler provided on your reference sheet to answer question 22.

- 22 Sherrie is sewing a costume for a party. She is using the pattern shown below.

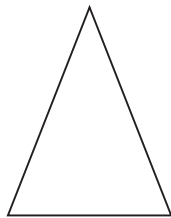


Which of the following pieces of cloth is congruent to the pattern?

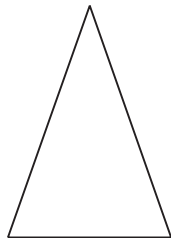
A.



B.



C.



D.



Reporting Category for Item 22: **Geometry**

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- 23 Cai bought popcorn for herself and 2 friends, plus a drink only for herself. The popcorn cost \$2 for each person, and the total cost for Cai's purchase was \$7.50. If d is the cost of a drink, which equation below could be used to determine the cost of Cai's drink?
- A. $2 + d = \$7.50$
 - B. $2 + 2d = \$7.50$
 - C. $3(2) + d = \$7.50$
 - D. $3(2) + 3d = \$7.50$

Reporting Category for Item 23: Patterns, Relations, and Algebra

- 24 Sylvia and Tomás are playing a game of chess. Each player began the game with 16 pieces. Now Sylvia has $\frac{1}{4}$ of her pieces remaining on the board and Tomás has $\frac{1}{8}$ of his pieces remaining on the board. How many total pieces remain on the board?
- A. 4
 - B. 6
 - C. 8
 - D. 12

Reporting Category for Item 24: Number Sense and Operations