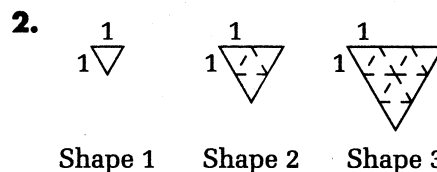
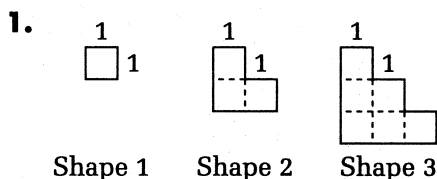


# Practice 2

For use with Section 1-2

Draw Shapes 4 and 5 in each pattern. Make a table of the perimeters of the shapes. Then write a variable expression for the perimeter of Shape  $n$ .



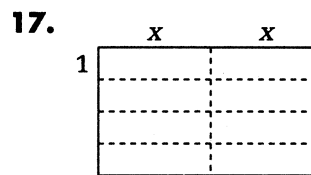
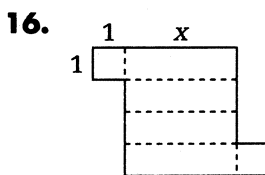
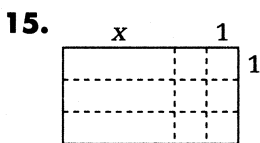
Write a variable expression for each phrase.

- |   |  |
|---|--|
| 3. the number of fielders $x$ plus the number of pitchers $y$ | 4. 10 times the rate $r$                 |
| 5. the mass $m$ multiplied by the velocity $v$                | 6. 0.25 times the number of quarters $q$ |

Evaluate each variable expression for  $x = 3$  and  $y = 15$ .

- |             |                |                  |              |
|-------------|----------------|------------------|--------------|
| 7. $x + y$  | 8. $xy$        | 9. $\frac{y}{x}$ | 10. $2x + y$ |
| 11. $y - x$ | 12. $0.5y + x$ | 13. $3y - 2x$    | 14. $4xy$    |

Write a variable expression for the perimeter of each shape.



A car can go 28 mi on one gallon of gas. Find how far the car can go on each amount of gas.

- |           |            |            |             |
|-----------|------------|------------|-------------|
| 18. 5 gal | 19. 10 gal | 20. 50 gal | 21. $n$ gal |
|-----------|------------|------------|-------------|
22. There are 1.6 km in one mile. Write a variable expression for the number of kilometers in  $p$  miles.
23. Suppose a car can go 28 mi on 1 gal of gas. How many kilometers can it go on 1 gal?
24. How many kilometers can the car go on  $x$  gal?