

**Formulate** Write and solve equations for problems 1 and 2.

\*1. <sup>(31)</sup> There were four hundred seventy-two birds in the first flock. There were one hundred forty-seven birds in the second flock. How many fewer birds were in the second flock?

\*2. <sup>(1, 17)</sup> Raina hiked forty-two miles. Then she hiked seventy-five more miles. How many miles did she hike in all?

\*3. <sup>(47)</sup> **Connect** Write four multiplication/division facts using the numbers 3, 5, and 15.

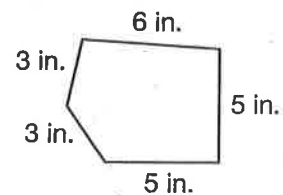
\*4. <sup>(10)</sup> Use the digits 1, 3, 6, and 8 to write an odd number between 8000 and 8350. Each digit may be used only once.

\*5. <sup>(16, 33)</sup> **Represent** Write 306,020 in expanded form. Then use words to write the number.

\*6. <sup>(35)</sup> **Represent** Draw and shade circles to show the number  $2\frac{1}{8}$ .

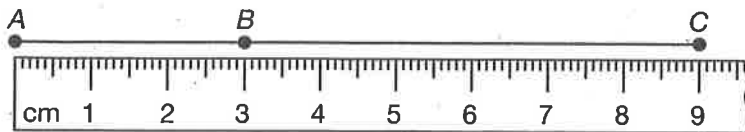
\*7. <sup>(Inv. 2)</sup> One mile is how many feet?

\*8. <sup>(Inv. 2)</sup> What is the perimeter of this pentagon?



\*9. <sup>(11, Inv. 2)</sup> A board that had a length of 1 meter was cut into two pieces. If one piece of the board was 54 cm long, how long was the other piece?

\*10. <sup>(39)</sup> Find the length of segment  $BC$ .



\*11. <sup>(45)</sup>  $100 + (4 \times 50)$

\*12. <sup>(43)</sup>  $\$3.25 + 37\text{¢} + \$3$

\*13. <sup>(Inv. 3)</sup>  $\sqrt{4} \times \sqrt{9}$

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Name \_\_\_\_\_

$$\begin{array}{r} *14. \quad 33 \\ (48) \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} *15. \quad 24 \\ (48) \quad \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} *16. \quad 90 \\ (48) \quad \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} *17. \quad \$42 \\ (48) \quad \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad \$5.06 \\ (41) \quad - \$2.28 \\ \hline \end{array}$$

$$\begin{array}{r} *19. \quad 1.45 \\ (43) \quad + 2.70 \\ \hline \end{array}$$

$$\begin{array}{r} *20. \quad 3.25 \\ (43) \quad - 1.50 \\ \hline \end{array}$$

$$\begin{array}{r} 21. \quad 14 \\ (17) \quad 28 \\ \quad 45 \\ \quad 36 \\ \quad 92 \\ \quad + 47 \\ \hline \end{array}$$

$$\begin{array}{r} *22. \quad 28 \div 7 \\ (47) \end{array}$$

$$\begin{array}{r} 23. \quad 5 \overline{)35} \\ (46) \end{array}$$

$$\begin{array}{r} 24. \quad 6 \overline{)54} \\ (46) \end{array}$$

$$\begin{array}{r} *25. \quad \frac{63}{7} \\ (47) \end{array}$$

- \*26. **Multiple Choice** (Inv. 3) A rectangle has an area of 12 sq. in. Which of these could *not* be the length and width of the rectangle?

A 4 in. by 3 in.  
C 12 in. by 1 in.

B 6 in. by 2 in.  
D 4 in. by 2 in.

- \*27. **Write** (45) Which property of multiplication is shown here?

$$5 \times (2 \times 7) = (5 \times 2) \times 7$$

- \*28. (47) Use digits and three different division symbols to show "twenty-four divided by three."

- \*29. **Estimate** (48) D'Ron mailed nine invitations and placed a 39¢ stamp on each invitation. Estimate the total postage cost for the 9 invitations. Explain how you estimated the total.

- \*30. **Draw** (Inv. 1) Draw a number line and show the locations of 2, 3, 1.5, and  $2\frac{1}{4}$ .