

Draw Pic -  $\triangle \circ \triangle \circ = \circ \circ \circ \circ \circ \circ$

Write equation

$$2x + 4 = 12$$

$$\begin{array}{r} 2x + 4 = 12 \\ -4 \quad -4 \\ \hline 2x = 8 \end{array}$$

(taken 4 coins both sides)

Explain each step

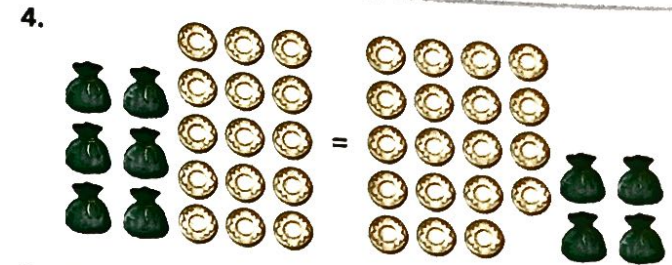
$$\frac{2x}{2} = \frac{8}{2}$$

(Divide 8 coins into 2 pouches)

$$x = 4$$

(each pouch has 4)

Problem 3.3 continued



5. Describe two situations in Question A for which you could write more than one equation to represent the situation.

B For each equation:

- Use your strategies from Question A to solve the equation.
- Check your answer.

- $30 = 6 + 4x$
- $7x = 5 + 5x$
- $7x + 2 = 12 + 5x$
- $2(x + 4) = 16$

C Describe a general method for solving equations using what you know about equality.

ACE Homework starts on page 69.

Check your answers.

