

**Problem 1**

The sum of the ages of two children is 17 years. The age of the oldest is twice the age of the youngest less one year. What is the age of the youngest child ?

Assign variables                       $x =$  youngest                       $y =$  the oldest

Develop equation

Other information

Substitution

Solve

Answer question

**Problem 2**

The sum of the ages of two adults is 57 years. The age of the oldest is three more than twice the age of the youngest less one year. What is the age of the older adult?

Assign variables                       $x =$  youngest                       $y =$  the oldest

Develop equation

Other information

Substitution

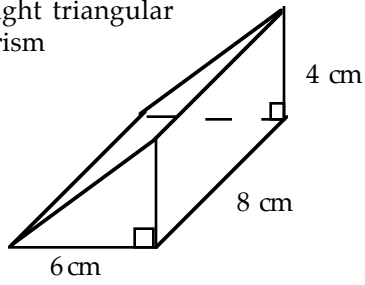
Solve

Answer question

- 2 When the same number is added to both the numerator and denominator of  $\frac{3}{7}$ , the value of the new fraction is  $\frac{2}{3}$ . What number was added to both the numerator and denominator ?

$$\frac{3 + m}{7 + m} = \frac{2}{3}$$

3 Right triangular prism

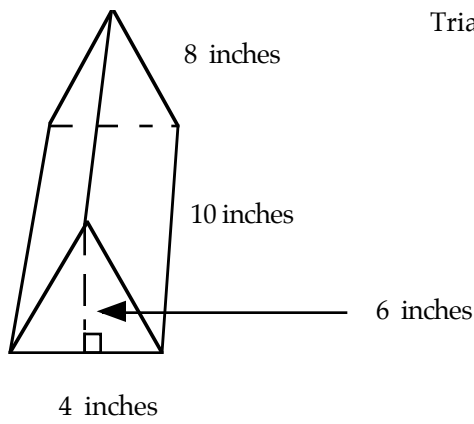


Find the total surface area

Word sentence

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Triangle prism

Find the total surface area