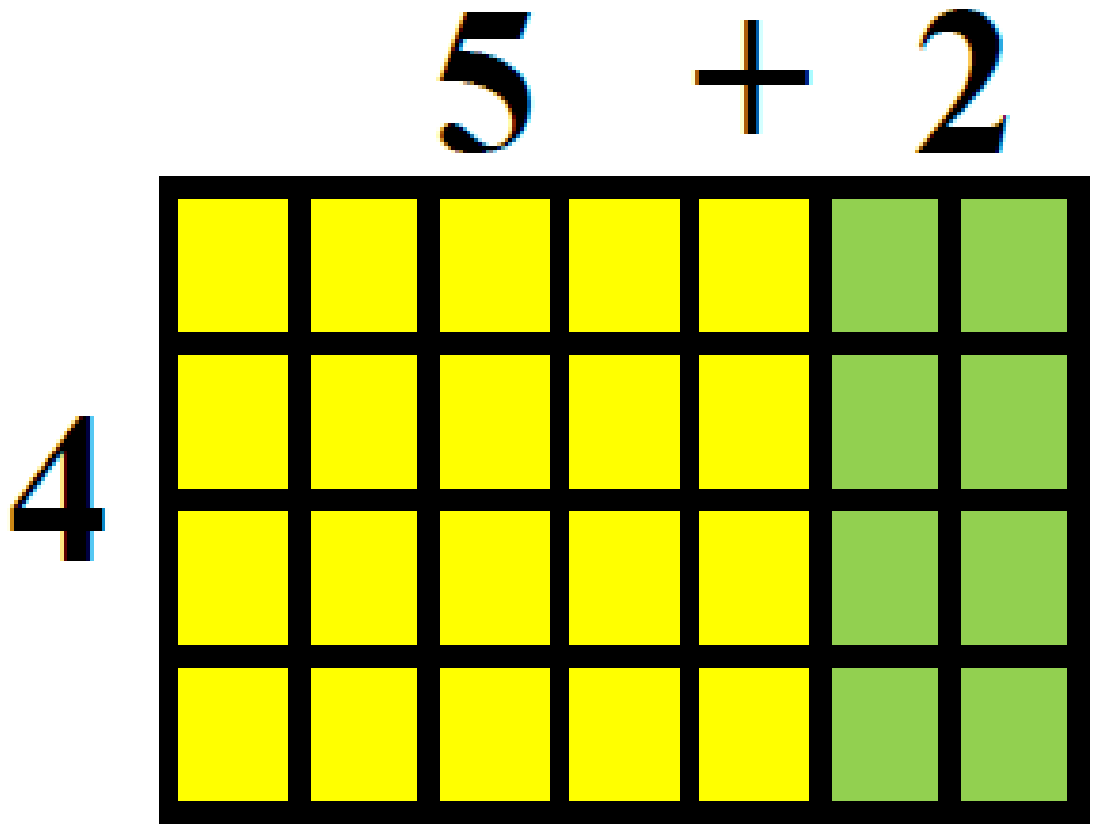
Area Model



$$4 \times 7 = (4 \times 5) + (4 \times 2) = 28$$

Brackets

brackets

$$[(2 \times 20) + 6]$$

Dividend

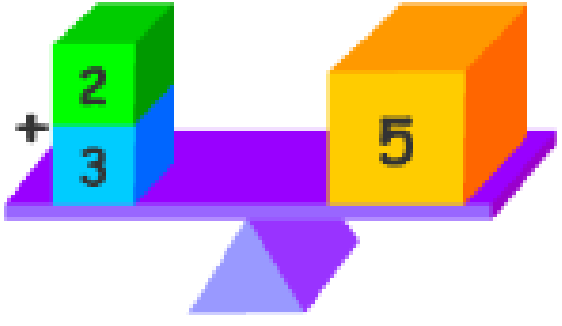
$$7\overline{)56}$$

Divisor

$$7\overline{)56}$$

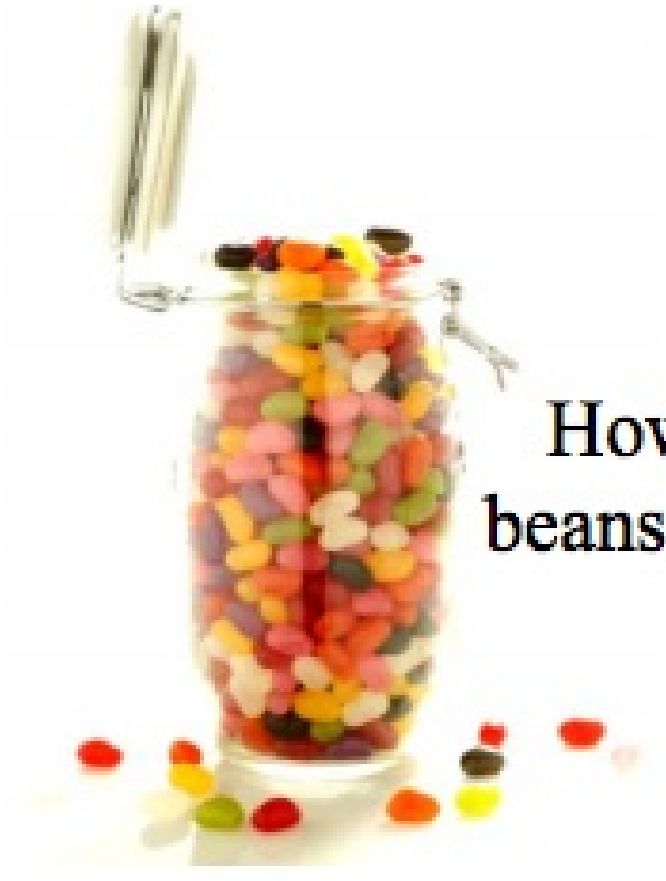
4b

Equation



$$2 + 3 = 5$$

Estimation



How many jelly beans are in the jar?

Evaluate

$$42 - 13 = n$$

$$n = 29$$

Expanded Form

$$263 = 200 + 60 + 3$$

Expression

$$3x + 2$$

9b

Factor

$$2 \times 6 = 12$$

factors

Numerical Expression

$$5 + 9$$

Parentheses

$$(2 + 3) \times 4$$

$$5 \times 4$$

$$20$$

Product

$$5 \times 3 = 15$$

Quotient

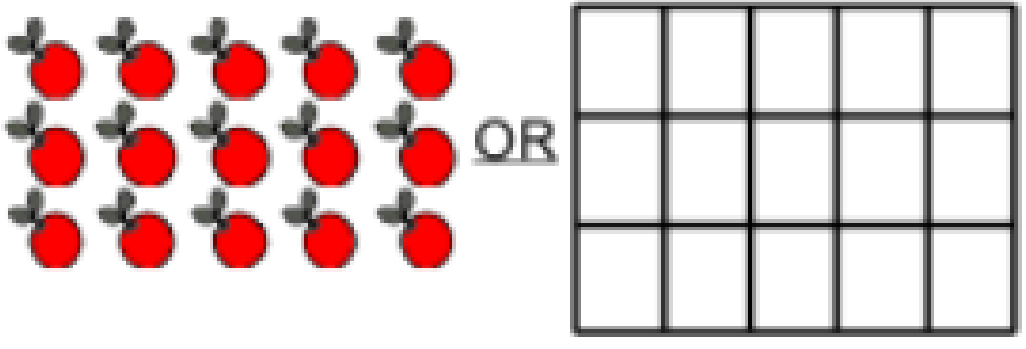
$$\begin{array}{r} 8 \\ 7\overline{)56} \end{array}$$

Rectangular Arrays

Array

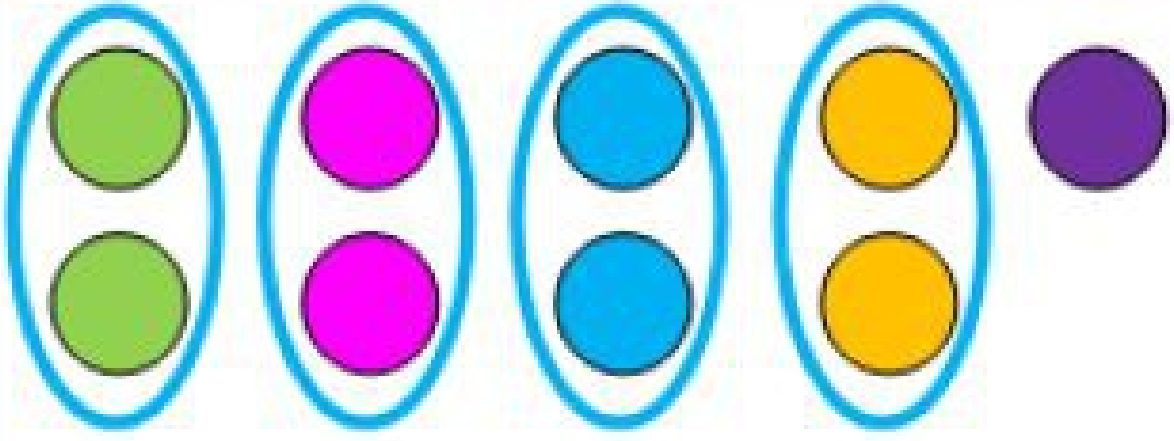
3 rows of 5

3×5



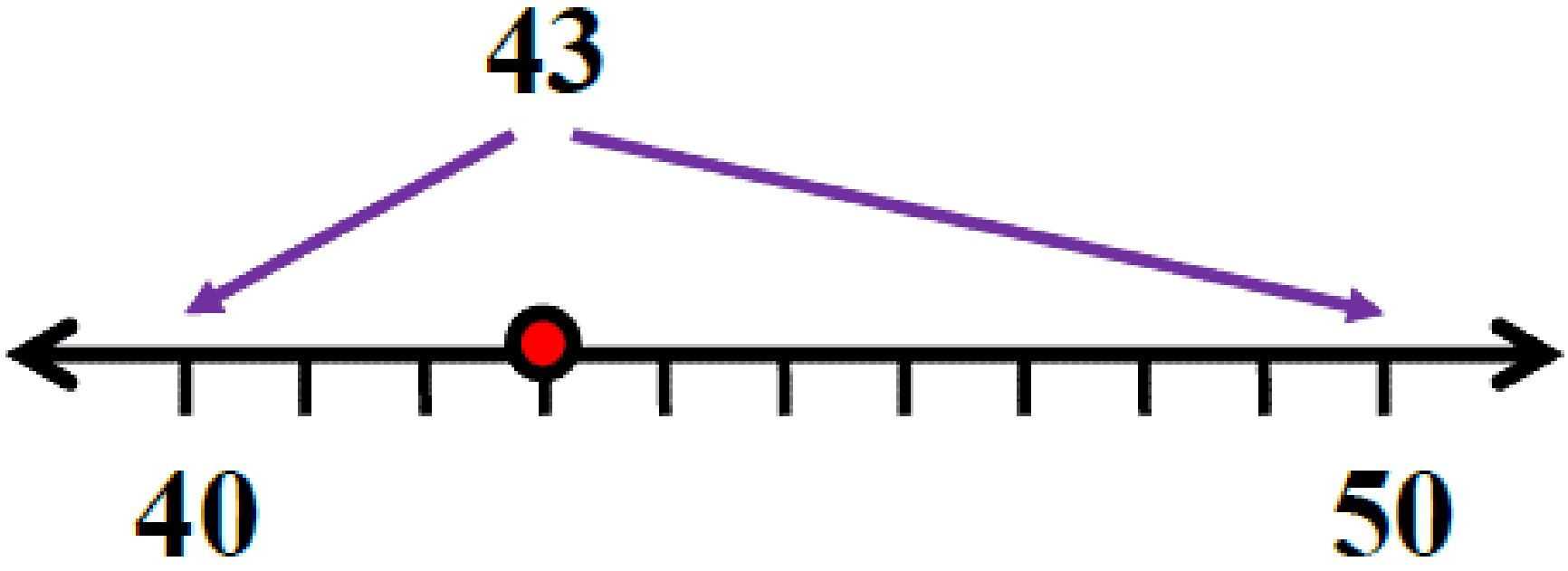
An arrangement of objects in equal rows.

Remainder



$$9 \div 4 = 2 \text{ R}1$$

Rounding


43
40
50

Standard Algorithm for Multiplication

$$\begin{array}{r} 24 \\ \times\ 3 \\ \hline 12 \\ 60 \\ \hline 72 \end{array}$$

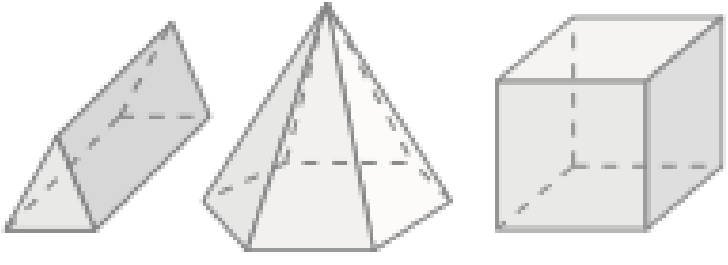
Multiply the ones 3 x 4 = 12

Multiply the tens 3 x 20 = 60

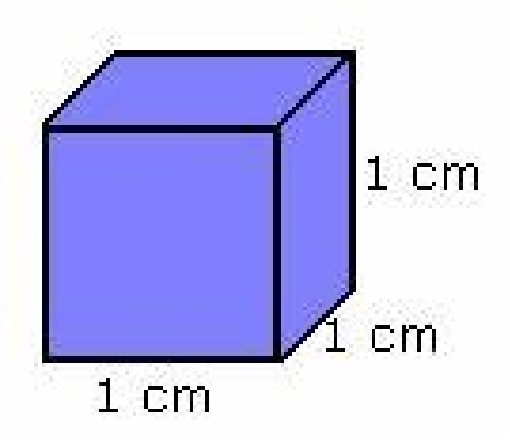
Add the partial products

Three-dimensional Figures

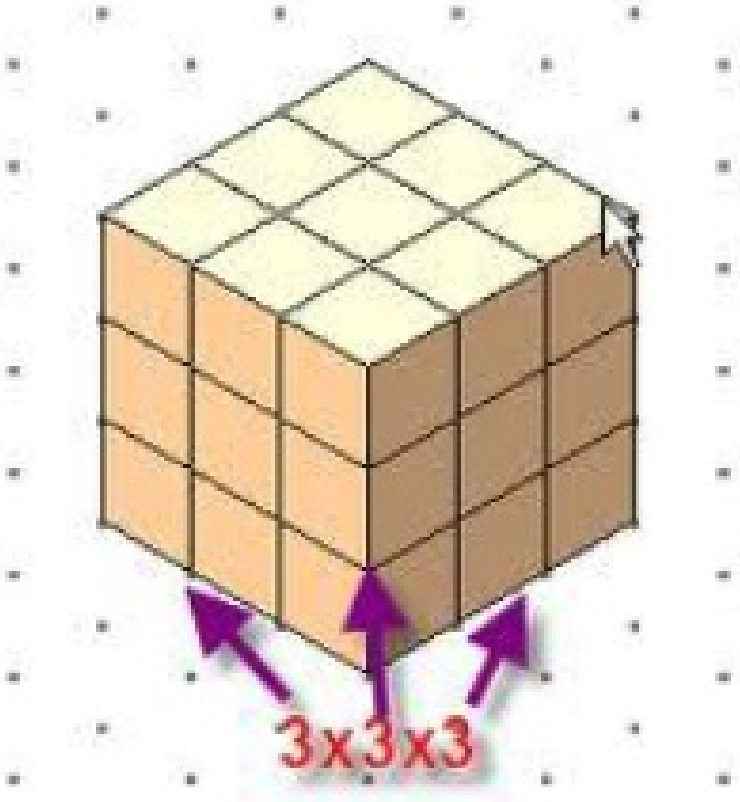
A figure that has length, width, and depth



Unit Cube


1 cm
1 cm
1 cm

Volume



Volume =

27 cubic units