Let's Learn

**a** Paul arranges 15 beans as shown.

5 columns

3 rows
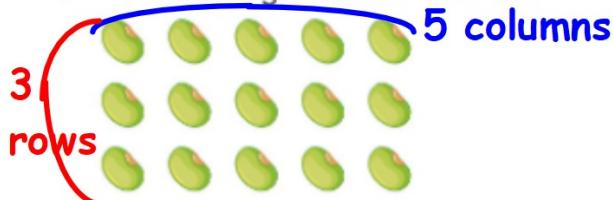
He writes 2 **multiplication** sentences to show the number of beans

$3 \times 5 = 15$ $5 \times 3 = 15$

Paul divides the 15 beans into 3 groups.

×
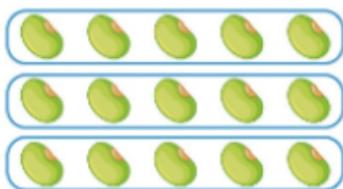
groups × items = product

÷

product ÷ items = groups

He writes a **division** sentence to show the number of beans in each group.

$15 \div 3 = 5$

Paul divides the 15 beans into 5 groups.
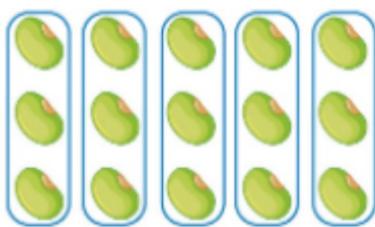
He writes a division sentence to show the number of beans in each group.

15 ÷ 5 = 3

These multiplication and division sentences make a fact family.

3 × 5 = 15	5 × 3 = 15
15 ÷ 3 = 5	15 ÷ 5 = 3

b Min arranges some strawberries as shown.
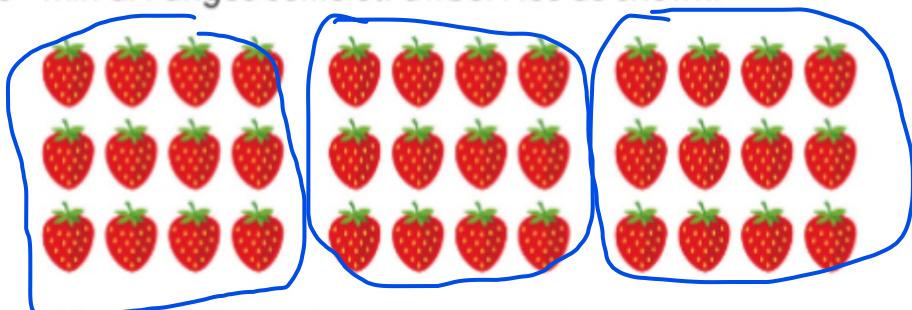
He writes the multiplication and division sentences to show the arrangement.

$$\underline{3} \times \underline{12} = \underline{36} \qquad \underline{12} \times \underline{3} = \underline{36}$$

$$\underline{36} \div \underline{12} = \underline{3} \qquad \underline{36} \div \underline{3} = \underline{12}$$

or she can arrange them into 6 groups of 6

$$6 \times 6 = 36 \qquad\qquad 6 \times 6 = 36$$
$$36 \div 6 = 6 \qquad\qquad 36 \div 6 = 6$$

or she can arrange them into 9 groups of 4

$$9 \times 4 = 36 \qquad\qquad 4 \times 9 = 36$$
$$36 \div 4 = 9 \qquad\qquad 36 \div 9 = 4$$