

Use the distributive property to multiply 2 digit numbers

Name _____

Example

$$6 \times 12 = (\underline{6} \times \underline{10}) + (\underline{6} \times \underline{2})$$

Decompose 12 into 10 + 2.

$$= \underline{60} + \underline{12}$$

Find each product mentally.

$$= \underline{\underline{72}}$$

Add the products.

$$6 \times 35 = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$
$$= \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$

$$4 \times 14 = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$
$$= \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$

$$5 \times 52 = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$
$$= \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$

$$4 \times 45 = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$
$$= \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$

The World of Maps store displays its maps on 3 shelves. There are 25 world maps on each shelf. How many world maps does the store have to sell?

Write an equation to solve.

$$m = \underline{3} \times \underline{25}$$

$$= (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$$
$$= \underline{\quad} + \underline{\quad}$$
$$= \underline{\quad}$$