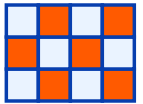


Area Model Multiplication



Break apart factors to multiply.

Grade 4 | Math | Multiplication and area

LEARN

Area = rows x columns.

Break apart one factor, find partial products, then add.

1 Complete each area model.

$$7 \times 6 = 7 \times (4 + 3)$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

$$8 \times 7 = 8 \times (5 + 3)$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

$$9 \times 6 = 9 \times (5 + 4)$$

$$= \underline{\quad} + \underline{\quad}$$

$$= \underline{\quad}$$

2 Solve using partial products.

$$6 \times 14 = (6 \times 10) + (6 \times 4) = \underline{\quad}$$

$$8 \times 23 = (8 \times 20) + (8 \times 3) = \underline{\quad}$$

$$7 \times 35 = (7 \times 30) + (7 \times 5) = \underline{\quad}$$

3 Show two ways to break apart 9×12 .

Way 1: $9 \times (\underline{\quad} + \underline{\quad}) = \underline{\quad} + \underline{\quad} = \underline{\quad}$

Way 2: $9 \times (\underline{\quad} + \underline{\quad}) = \underline{\quad} + \underline{\quad} = \underline{\quad}$



Every new skill is a bright beginning!

