Multiplying larger whole numbers

Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

What you will practise

• Multiplying larger whole numbers

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

Break one factor into place-value parts. Multiplication distributes over addition, so a two-digit factor can be handled as tens and ones before adding the partial products.

Estimate before calculating and compare the final result with your estimate. A written method is useful when the partial products are difficult to hold mentally; label the place values carefully.

Worked example

Calculate 236×14.

14=10+4, so find 236×10=2360 and 236×4=944.

Add the two partial products: 2360+944=3304.

Answer: 3304

Try it yourself

Name: _____ Date: _____

1. Calculate 326×7. Show a place-value or written method.

2. Calculate 208×14. Show a place-value or written method.

Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 2282

Split 326 into place-value parts, multiply each by 7, then add the partial products to get 2282.

2. 2912

208×(10+4)=2080+832=2912.

Curriculum reference: VC2M5N06

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