

NBT.5 Math Test

Directions: Show your work on a work mat but answer the questions on this document. Submit your test to your teacher when you finish.

Use an **area model** to solve the multiplication problem. Fill in the blanks on the area model to show you know how to properly use this method.

1. $5 \times 343 = \underline{\hspace{2cm}}$

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2. $37 \times 26 = \underline{\hspace{2cm}}$

	30	+	7
20			
+			
6			

3. Use the *partial products* method to solve the multiplication problem. Fill in the blanks to show you know how to properly use this method.

$$837 \times 5$$
$$800 \times \underline{\quad\quad\quad} = 4,000$$
$$\underline{\quad\quad\quad} \times 5 = 150$$
$$\underline{\quad\quad\quad} \times \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

$$837 \times 5 = 4,185$$

Answer questions 4 and 5 using a method of your choice.

4. Mrs. Ramsey has eight pencil boxes in her classroom closet. Each pencil box contains 36 pencils. How many pencils does Mrs. Ramsey have in the closet?

 pencils

5. Hannah spent 13 hours each week practicing for her piano recital. She practiced for 22 weeks. How many total hours did Hannah spend practicing for her recital?

 hours