

Grade 3 Module 3 Topic D Quiz

Travis writes $72 = 9 \times 8$. Is he correct? Explain at least 2 strategies Travis can use to check his work.

Skip-count by nine to fill in the blanks.

9, _____, _____, _____, _____, _____, _____, _____, 81

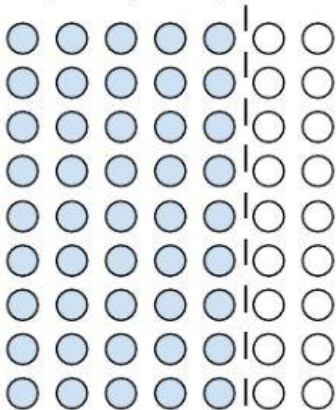
Use your skip counting to solve 9×7 .

$$9 \times 7 = \underline{\hspace{2cm}}$$

Use your skip counting to solve $72 \div 9$.

$$72 \div 9 = \underline{\hspace{2cm}}$$

Explain how knowing 9×5 and 9×2 can help you find the answer to 9×7 . You may use this drawing as part of your explanation.

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In 9×5 and 9×2 , the 5 and the 2 equal 7.
 $9 \times 5 = 45$ and $9 \times 2 = 18$
 $45 + 18 = 63$

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Knowing 9×5 and 9×2 can not help you solve 9×7 because they are different problems.

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Skip counting by nine 5 times and then 2 times will give you two different answers.
Counting by 9 7 times is not the same answer.

Solve each problem. Draw a tape diagram and write an equation to explain your solution.

Mrs. Parson gave each of her grandchildren \$9. She gave a total of \$36. How many grandchildren does Mrs. Parson have?

Total is \$36
There are 9 children

$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

$$\underline{\hspace{1cm}} \% \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

Derek cuts 7 pieces of wire. Each piece is 9 meters long. What is the total length of the 7 pieces?

$$\underline{\hspace{1cm}} \times \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

The Total is _____ cm