

### 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.

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Skip-count by nine to fill in the blanks.

9, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 81

Use your skip counting to solve  $9 \times 7$ .

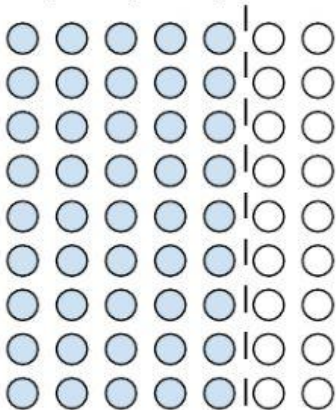
$$9 \times 7 = \underline{\hspace{2cm}}$$

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

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

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

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

☐

Knowing  $9 \times 5$  and  $9 \times 2$  can not help you solve  $9 \times 7$  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?

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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