

3.NBT.A.3 Using Patterns in Finding Products of Numbers

3.NBT.A.3: Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.

Give what is asked in each item and then write your answers on the space provided.

1. Use basic facts and patterns to find each product below.

$5 \times 8 =$ _____	$5 \times 9 =$ _____
$50 \times 8 =$ _____	$50 \times 9 =$ _____
$500 \times 8 =$ _____	$500 \times 9 =$ _____
$6 \times 3 =$ _____	$2 \times 6 =$ _____
$60 \times 3 =$ _____	$20 \times 6 =$ _____
$600 \times 3 =$ _____	$200 \times 6 =$ _____
$4 \times 8 =$ _____	$7 \times 2 =$ _____
$4 \times 80 =$ _____	$7 \times 20 =$ _____
$4 \times 800 =$ _____	$7 \times 200 =$ _____

2. Read and solve.

Michelle has three subjects this school year. Throughout the semester, she needs to answer 200 worksheets. How many worksheets are there for Michelle to answer? Show your solution.

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Answer Key

3.NBT.A.3: Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., 9×80 , 5×60) using strategies based on place value and properties of operations.

Give what is asked in each item and then write your answers on the space provided.

1. Use basic facts and patterns to find each product below.

$5 \times 8 = \underline{40}$	$5 \times 9 = \underline{45}$
$50 \times 8 = \underline{400}$	$50 \times 9 = \underline{450}$
$500 \times 8 = \underline{4000}$	$500 \times 9 = \underline{4500}$
$6 \times 3 = \underline{18}$	$2 \times 6 = \underline{12}$
$60 \times 3 = \underline{180}$	$20 \times 6 = \underline{120}$
$600 \times 3 = \underline{1800}$	$200 \times 6 = \underline{1200}$
$4 \times 8 = \underline{32}$	$7 \times 2 = \underline{14}$
$4 \times 80 = \underline{320}$	$7 \times 20 = \underline{140}$
$4 \times 800 = \underline{3200}$	$7 \times 200 = \underline{1400}$

2. Read and solve.

Michelle has three subjects this school year. Throughout the semester, she needs to answer 200 worksheets. How many worksheets are there for Michelle to answer? Show your solution.

$$200 \times 3 = 600 \text{ worksheets}$$