

Tens Times Power

Use place value to multiply by tens.

GRADE 3 • 3.NBT.A.3

CCSS.Math.Content.3.NBT.A.3 "Multiply one-digit whole numbers by multiples of 10 in the range 10-90 (e.g., $9 \times$; $80, 5 \times$; 60) using strategies based on place value and properties of operations."

NAME _____

DATE _____

MULTIPLY WITH TENS

A multiple of 10 is made of tens. Multiply the one-digit number by the number of tens, then write the answer as that many tens.

WORKED EXAMPLE

$$7 \times 40 = ?$$

1. $40 = 4$ tens.

2. $7 \times 4 = 28$.

3. 28 tens = 280.

Answer: 280

PRACTICE 6 problems

1 $3 \times 20 = ?$

ANSWER _____

2 $6 \times 50 = ?$

ANSWER _____

3 $4 \times 70 = ?$

ANSWER _____

4 $8 \times 30 = ?$

ANSWER _____

5 $9 \times 60 = ?$

ANSWER _____

6 $2 \times 90 = ?$

ANSWER _____

APPLY IT Show your work

- 1** Mia puts 5 packs of 80 stickers into prize bags. How many stickers does she put into the bags?

WORK SPACE

ANSWER _____

- 2** A pet shop has 4 tanks with 90 fish in each tank. How many fish are in the tanks?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Explain two ways to find 6×70 . What is the product?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$3 \times 20 = ?$	60
2	$6 \times 50 = ?$	300
3	$4 \times 70 = ?$	280
4	$8 \times 30 = ?$	240
5	$9 \times 60 = ?$	540
6	$2 \times 90 = ?$	180

PART 2 • APPLY IT

1. **400 stickers** Multiply 5×80 . Since $5 \times 8 = 40$, $5 \times 80 = 400$.
2. **360 fish** Multiply 4×90 . Since $4 \times 9 = 36$, $4 \times 90 = 360$.

CHALLENGE

420. One way: $6 \times 7 = 42$, so $6 \times 70 = 420$. Another way: $70 + 70 + 70 + 70 + 70 + 70 = 420$.

Accept correct products and place-value explanations, such as naming the number of tens. For the challenge, accept any accurate method that shows 6 groups of 70 equal 420.