LESSON MAKER PRO

Round and Multiply

Estimate products by rounding to the nearest ten.

GRADE 4 · 4.NOS.B.5.a

4.NOS.B.5.a "Apply estimation strategies to estimate products."

NAME _____ DATE _____

THE BIG IDEA

For every problem, round each factor with two or more digits to the nearest ten. Keep one-digit factors the same, then multiply the rounded factors to estimate the product.

WORKED EXAMPLE

Estimate 46 x 17.

1. Round 46 to 50.
2. Round 17 to 20.
3. Multiply: 50 x 20 = 1,000.

Answer: About 1,000

PRACTICE 6 problems

1 Estimate 32 x 18.

ANSWER _____

2 Estimate 64 x 27.

ANSWER _____

3 Estimate 83 x 41.

ANSWER _____

4 Estimate 126 x 6.

ANSWER _____

5 Estimate 274 x 8.

ANSWER _____

6 Estimate 391 x 24.

ANSWER _____

APPLY IT Show your work

1 A game club has 28 sticker sheets with 34 stickers on each sheet. About how many stickers does the club have?

WORK SPACE

ANSWER _____

2 A soccer stadium has 7 seating sections with 156 seats in each section. About how many seats are there?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Estimate 26 x 39 x 4. Show the rounded multiplication you used.

WORK SPACE AND ANSWER

ANSWER KEY

Round and Multiply

GRADE 4 · 4.NOS.B.5.a

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Estimate 32 x 18.	**About 600**
2	Estimate 64 x 27.	**About 1,800**
3	Estimate 83 x 41.	**About 3,200**
4	Estimate 126 x 6.	**About 780**
5	Estimate 274 x 8.	**About 2,160**
6	Estimate 391 x 24.	**About 7,800**

PART 2 · APPLY IT

1. **About 900 stickers** Round 28 to 30 and 34 to 30. Then multiply 30 x 30 = 900.
2. **About 1,120 seats** Round 156 to 160 and keep 7 the same. Then multiply 160 x 7 = 1,120.

CHALLENGE

30 x 40 x 4 = 4,800, so the product is about 4,800.

Accept estimates written with or without the word "about" if students use the stated nearest-ten rule.