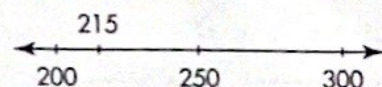Name Arrin Zoeman

Another Look!

To estimate, you can round 3-digit numbers to the nearest hundred and round 4-digit numbers to the nearest thousand.

Use rounding to estimate 7×215.

First, round 215 to the nearest hundred.

215

200   250   300

215 rounds to 200.

Then, multiply. $7 \times 200 = 1,400$

So, 7×215 is about 1,400.

Check if $2,885 \times 4 = 11,540$ is reasonable.

First round 2,885 to the nearest thousand. 2,885 rounds to 3,000.

Then, multiply.
$3,000 \times 4 = 12,000$

So, $2,885 \times 4$ is about 12,000.

11,540 is a reasonable answer.

For **1–6**, estimate the product.

1. 4×279

Round 279 to 300

$4 \times 300 = 1200$

2. $9 \times 4,720$

Round 4,720 to 5,000

$9 \times 5000 = 45,000$

3. 8×89

Round 89 to 90

$8 \times 90 = 720$

4. 183×4

$200 \times 4 = 800$

5. $3 \times 1,675$

$3 \times 2,000 = 6,000$

6. $8,210 \times 2$

$8,000 \times 2 = 16,000$

For **7–9**, estimate to check if the answer is reasonable.

7. $8 \times 578 = 4,624$

Round 578 to 600

$8 \times 600 = 4800$

(Reasonable)   Not Reasonable

8. $3 \times 8,230 = 2,469$

Round 8,230 to 8,000

$3 \times 8,000 = 24,000$

Reasonable   (Not Reasonable)

9. $7 \times 289 = 2,023$

Round 289 to 300

$7 \times 300 = 2,100$

(Reasonable)   Not Reasonable

number name to complete the definition.

A number written as the sum of the value of its digits is written in _expanded form_ .

as great as the Khangar volcano. If the Khangar volcano is 6,562 feet above sea level, what is the approximate elevation of the Ojos del Salado volcano?

7000 x3=21/0

Approx: 21,000

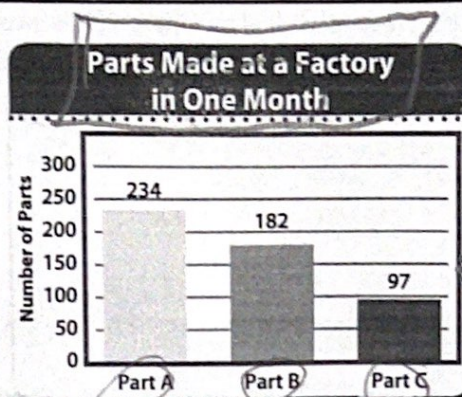
For **12–13**, use the graph at the right.

12. **Number Sense** Estimate how many of Part B would be made in 3 months.

Approx: 600
200 x 3 = 600

Parts Made at a Factory in One Month

Part	Number of Parts
Part A	234
Part B	182
Part C	97

13. It costs the factory $4 to make each Part A. About how much does it cost to make Part A each month?

780

Approx: 800

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14. **Higher Order Thinking** A Deluxe Package costs $50 and includes one of each of the individual pictures listed in the table. Estimate about how much money you save with the Deluxe Package instead of buying one of each of the individual pictures. Explain.

18 > 12
14
18
50

Individual Picture Prices

Picture Size	Price
8 × 10	$18
5 × 7	$14
4 × 6	$10
8 wallets	$18

As estimating buying one each is about $60 The deluxe cost $50. You save about $10

✓ **Assessment Practice**

15. Shawn found it took him 429 steps to get from home to the outside basketball court. How many steps does it take to make 8 one-way trips? Choose the best estimate.

Ⓐ About 400 steps

Ⓑ About 3,200 steps

Ⓒ About 3,400 steps

Ⓓ About 4,000 steps

16. A city recycles 7,612 pounds of newspaper one year. If they recycle the same amount each year, about how many pounds would be recycled in 7 years? Choose the best estimate.

8,000 x 7 = 5,600

Ⓐ About 4,900 pounds

Ⓑ About 49,000 pounds

Ⓒ About 56,000 pounds

Ⓓ About 76,000 pounds