Name _____

Another Look!

Mrs. Carter orders new supplies for a hospital. About how much will it cost to purchase 14 pulse monitors?

Supplies	
Electronic thermometers	$19 each
Pulse monitors	$189 each
Pillows	$17 each
Telephones	$19 each

DATA

Use rounding to estimate.

Estimate 14×189.

You can round 14 to 10 and 189 to 200.

$10 \times 200 = 2,000$

Use compatible numbers to estimate.

Estimate 14×189.

Replace 14 with 15 and 189 with 200.

$15 \times 200 = 3,000$

The 14 pulse monitors will cost between $2,000 and $3,000.

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1. About how much would it cost to buy 18 MP3 players? About how much would it cost to buy 18 CD/MP3 players?

Electronics Prices	
CD player	$74.00
MP3 player	$99.00
CD/MP3 player	$199.00
AM/FM radio	$29.00

DATA

In **2–15**, estimate each product.

2. 184×210
Round 184 to _____.
Round 210 to _____.
Multiply _____ × _____ = _____ .

3. 77×412
Round 77 to _____.
Round 412 to _____.
Multiply _____ × _____ = _____ .

4. 87×403

5. 19×718

6. 888×300

7. 352×20

8. 520×797

9. 189×46

10. 560×396

11. 498×47

12. 492×22

13. 928×89

14. 308×18

15. 936×410

16. Laura's family is going on a vacation. They will drive 4,180 miles over the next two weeks. About how many miles will they drive on average each week?

17. Make Sense and Persevere
A bus service drives passengers between Milwaukee and Chicago every day. They travel from city to city 8 times each day. The distance between the two cities is 89 miles. In February, there are 28 days. The company's budget allows for 28,000 total miles for February. Do you think the budget is reasonable? Explain.

18. Higher Order Thinking Explain whether rounding or compatible numbers gives a closer estimate for the product below.

$48 \times 123 = 5,904$

19. A case of 24 pairs of the same kind of sports shoes costs a little more than $800. Explain whether $28 per pair with tax included is a good estimate of the price.

20. The number of Adult tickets is the same as the number of Child (age 5–12) tickets. A total of 38 tickets was purchased. What is the total cost of the tickets? Explain.

DATA	Ticket	Price (in $)
	Adult	23
	Child, age 5–12	17
	Under 5	8

Assessment Practice

21. Which does **NOT** show a reasonable estimate of 360×439?

- Ⓐ 100,000
- Ⓑ 140,000
- Ⓒ 160,000
- Ⓓ 180,000

22. A club orders 124 T-shirts at a cost of $18 each. Which is the best estimate of the total cost of the order?

- Ⓐ $1,000
- Ⓑ $2,000
- Ⓒ $3,000
- Ⓓ $4,000