

Name _____

Estimate Products

COMMON CORE STANDARD CC.4.NBT.5

Use place value understanding and properties of operations to perform multi-digit arithmetic.

Estimate the product by rounding.

1. 4×472

4×472



4×500

2,000

2. $2 \times 6,254$

3. 9×54

4. $5 \times 5,503$

5. 3×832

6. 6×98

7. $8 \times 3,250$

8. 7×777

Find two numbers the exact answer is between.

9. 3×567

10. $6 \times 7,381$

11. 4×94

12. 8×684

Problem Solving

13. Isaac drinks 8 glasses of water each day. He says he will drink 2,920 glasses of water in a year that has 365 days. Is the exact answer reasonable? **Explain.**

14. Most Americans throw away about 1,365 pounds of trash each year. Is it reasonable to estimate that Americans throw away over 10,000 pounds of trash in 5 years? **Explain.**

Lesson Check (CC.4.NBT.5)

- A theater has 4,650 seats. If the theater sells all the tickets for each of its 5 shows, about how many tickets will the theater sell in all?

(A) 2,500 (C) 25,000
(B) 10,000 (D) 30,000
- Washington Elementary has 4,358 students. Jefferson High School has 3 times as many students as Washington Elementary. About how many students does Jefferson High School have?

(A) 16,000 (C) 10,000
(B) 12,000 (D) 1,200

Spiral Review (CC.4.OA.1, CC.4.NBT.3, CC.4.NBT.4, CC.4.NBT.5)

- Diego has 4 times as many autographed baseballs as Melanie has. Diego has 24 autographed baseballs. How many autographed baseballs does Melanie have? (Lesson 2.1)

(A) 28
(B) 20
(C) 8
(D) 6
- Pennsylvania has a land area of 44,816 square miles. Which of the following shows the land area of Pennsylvania rounded to the nearest hundred? (Lesson 1.4)

(A) 44,000 square miles
(B) 44,800 square miles
(C) 44,900 square miles
(D) 45,000 square miles
- Mr. Turkowski bought 4 boxes of envelopes at the office supply store. Each box has 500 envelopes. How many envelopes did Mr. Turkowski buy? (Lesson 2.3)

(A) 200
(B) 504
(C) 2,000
(D) 20,000
- The table shows the types of DVDs customers rented from Sunshine Movie Rentals last year.

Movie Rentals	
Type	Number Rented
Comedy	6,720
Drama	4,032
Action	5,540

How many comedy and action movies were rented in all last year? (Lesson 1.6)

(A) 13,620 (C) 12,260
(B) 13,000 (D) 10,752