

Pre-Algebra

Name: \_\_\_\_\_

Rounding and Estimating Decimals

Period: \_\_\_\_\_

hundreds	tens	ones	.	tenths	hundredths	thousandths	ten thousandths
			.				

Round each number to the tens place.

1. 45.826 \_\_\_\_\_

2. 189 \_\_\_\_\_

3. 23.6 \_\_\_\_\_

4. 1521 \_\_\_\_\_

Round each number to the ones place.

5. 5.86 \_\_\_\_\_

6. 189 \_\_\_\_\_

7. 45.6 \_\_\_\_\_

8. 1521 \_\_\_\_\_

Round each number to the tenths place.

5. .52359 \_\_\_\_\_

6. 6.355 \_\_\_\_\_

7. 55.55 \_\_\_\_\_

8. 25.129 \_\_\_\_\_

Round each number to the hundredths place.

9. .49875 \_\_\_\_\_

10. 2.333 \_\_\_\_\_

11. 23.857 \_\_\_\_\_

12. 3.14159 \_\_\_\_\_

**Estimate each sum or difference by rounding.**

13.  $8.974 - 2.154$

14.  $102.44 + 48.35$

15.  $45.02 + 54.8$

16.  $9.5875 + 10.2489 + 10.5548 + 9.342$

17.  $601.22 - 199.6542$

**Estimate each product by rounding.**

18.  $2.32 \cdot 4.826$

19.  $29.8 \cdot 3.3$

20.  $104.10 \cdot 5.00001$

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What are compatible numbers? \_\_\_\_\_

**Estimate each quotient by rounding using compatible numbers.**

21.  $7.95 \div 2.123$

22.  $53.8 \div 11.3$

23.  $147.247 \div 9.5501$

24.  $11.45 \div 3.2$

25.  $25.6 \div 6.2$