

7th Grade Lesson 44

- I can write quotients that have remainders in three different ways.

Quotients with remainders can be written...

"with the remainder"

$$\begin{array}{r} 6 \text{ R}3 \\ 4 \overline{) 27} \\ \underline{24} \\ 3 \end{array}$$

"as a mixed number"

$$\begin{array}{r} 6 \frac{3}{4} \\ 4 \overline{) 27} \\ \underline{24} \\ 3 \end{array}$$

"as a decimal number"

$$\begin{array}{r} 6.75 \\ 4 \overline{) 27.000} \\ \underline{24} \downarrow \\ 30 \downarrow \\ \underline{28} \downarrow \\ 20 \\ \underline{20} \\ 0 \end{array}$$

Divide 54 by 4 and write the answer...

with a remainder.

$$13R2$$

as a mixed number.

$$13\frac{1}{2}$$

as a decimal.

$$13.5$$

Sometimes, you are asked to round the quotient...

Divide 37.4 by 9 and round the quotient to the nearest thousandth.

$$4.156$$

$$\boxed{\begin{array}{r} 4.1999 \\ 4.200 \end{array}}$$

$$\begin{array}{r} 4.1555 \\ 9 \overline{) 37.4000} \\ \underline{36} \\ 14 \\ \underline{9} \\ 50 \\ \underline{45} \\ 50 \\ \underline{45} \\ 50 \\ \underline{45} \\ 50 \end{array}$$

Problems involving division often require us to interpret the results of the division and express our answer in other ways.

Vans will be used to transport 27 students on a field trip. Each van can carry 6 students.

How many vans can be filled?

4

How many vans will be needed?

5

If all but one van will be full, then how many students will be in the van that will not be full?

3

Asssignment:

Problem Set 44

***A/B Optional Assignment: #8, 10, 12**

Lesson 44

Name _____

1. Divide 55 by 4 and write the answer...
 - a) with a remainder.
 - b) as a mixed number.
 - c) as a decimal number.

2. Ninety-three students are assigned to four classrooms as equally as possible. How many students are in each of the four classrooms?

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Name _____

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