

Monday

Curtis

Mr. Jones teaches 5 classes and has a total of 113 students. Mrs. Smith teaches 6 classes and has a total of 138 students. Who has more students per class?

Work and Solution

113 w/ 5

138 w/ 6

(22) (23) (23) (23) (23)

$$\begin{array}{r} 22 \overline{) 113} \\ \underline{44} \\ 103 \\ \underline{100} \\ 3 \end{array}$$

$$\begin{array}{r} 23 \overline{) 138} \\ \underline{46} \\ 102 \\ \underline{92} \\ 10 \end{array}$$

(23) (23) (23) (23) (23) (23)

Explain in words how you solved the problem.

Mrs. Smith has more students per class because she has 23 per class. Rather than 22 + 23. 113 Mr. Jones. We divided the number of students total divided by the number of classes.

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Good use of diagram.
Many explanations were same.
Diagram stuck out as different.

Problems of the Day
Proportional Reasoning



JEPPSON'S
ADVISORY

Name Adam Fualo, Jacob A

Date 9/21/15 Lawson

Monday

Mr. Jones teaches 5 classes and has a total of 113 students. Mrs. Smith teaches 6 classes and has a total of 138 students. Who has more students per class?

Work and Solution

6 $\overline{) 138}$
 $\underline{12}$
18
Mrs. Smith
23 students

5 $\overline{) 113}$
 $\underline{10}$
13
 $\underline{10}$
30
Mr. Jones
22.6

Solution
Mrs. Smith

Explain in words how you solved the problem.

First, I divided 138 by 6 and I got 23 students per class. Then I divided 113 by 5 and got 22.6 students per class.

Many were the same. The description and specific numbers in description stuck out on this one.