

Math 5b, homework 7.



1. Mr. Robinson was paid \$590 for a job that required 40 hours of work.
At this rate, how much should he be paid for a job requiring 60 hours of work?
2. If two pounds of meat will serve 5 people, how many pounds will be needed to serve 13 people?
3. 6 oxen or 8 cows can graze a field in 28 days. How long would 9 oxen and 2 cows take to graze the same field?
4. Evaluate:
 - a. $4\frac{1}{6} \cdot \left(1\frac{1}{2} - \frac{3}{5}\right) + \left(\frac{3}{4} + \frac{5}{6}\right) \cdot 6;$
 - b. $\left(6 - 2\frac{4}{5}\right) \cdot 3\frac{1}{8} - 1\frac{3}{5} : \frac{1}{4}$
5. Tea was packaged in 30 packs of 150 grams each. How many packs will there be if the same amount of tea is packaged in 250-gram packs?
6. Write the following numbers as a one-digit number and a power of 10.

Example: $6000 = 6 \cdot 1000 = 6 \cdot 10^3;$ $0.006 = 6 \cdot 0.001 = 6 \cdot 10^{-3}$
500000; 400; 0.0002; 7000; 0.07;

7. A teacher gave a very difficult problem for the test. Having checked all works, he discovered that the number of girls who solved the problem is equal to the number of boys who didn't. What is greater, the number of students who solved the problem or the number of boys?