

5968 + 946872 - 65432. Write your answer in words.

3. Find the difference between 6843275 × 7 and 78463952 × 9.

4. Brown has 564 bushels of wheat, 387 bushels of oats, 348 bushels of barley, 413 bushels of rye; how many more bushels of wheat and oats has he than of barley and rye?

5. A boy buys 23 books at 8 cts. a piece, 47 lead pencils at 5 cts. each, and 63 pens at 3 cts. each. Find what change he would get back out of a \$10 bill.

Additional for Senior II.

6. Multiply seventy-eight million six thousand five hundred and forty, by eighty-six thousand and ninety. Divide the product by 583.

7. A farmer sells 240 bushels of wheat at 90c. per bushel, 18 tons of hay at \$10 a ton, and 180 bushels of barley at 55c. per bushel; with part of the proceeds he buys 56 lbs. of sugar at 9c. a lb., 38 lbs. tea at 50c. a lb., 75 yds. cloth at \$1.25 a yard, 48 yards factory cotton at 12c. a yard, and gets money for the balance. Find how much money he got.

Junior III, to Senior III.

1. The divisor is six thousand eight hundred and seventy one, the quotient is thirty-eight trillion four hundred and sixty billion four million four hundred and eight, and remainder is thirty-one. Find dividend.

2. By what number must the product of the sum and difference of 8376 and 5684 be increased so that the result may be exactly divisible by 7859?

3. Find the least number which divided by 675, 1050, and 4368 will leave the same remainder—32.

4. Three men, A, B, and C, start together from the same place to walk round an island 60 miles in circumference; they walk in the same direction; A at the rate of 5 miles per hour, B at 4, and C at 3. In what time will all be together for the first time after starting?

5. The product of two numbers is 1270374, and half of one of them is 3129. What is the other?

6. Simplify—

$$\frac{26\frac{3}{4} - 1\frac{1}{4}}{\frac{1}{3} + 1\frac{1}{3} - \frac{1}{3}} \text{ of } \frac{122\frac{1}{2}}{206\frac{1}{2}} - \frac{67\frac{1}{2}}{91\frac{1}{2}}.$$

7. The sum of two numbers is $4\frac{1}{2}$, and their difference is $2\frac{1}{2}$. Find the number.

8. Find the amount of the following:—

12 yards Scotch Tweed at \$2.85.
16 " Silk at \$2.12 $\frac{1}{2}$.
50 " Broadcloth at \$4.87 $\frac{1}{2}$.
12 $\frac{1}{2}$ " Flannel at \$0.50.

Senior III. to IV.

1. The L. C. M. of two numbers is one hundred and eighty-two millions ninety-eight thousand nine hundred and seventeen, their G. C. M. is six hundred and ninety-three, one of the numbers is eight hundred and twenty-three thousand nine hundred and seven. Find the other.

2. A, B, and C agree to purchase pigeons at the highest price each that will allow each to invest all his money; A has 45c., B 50c., and C 75c. How many can each purchase?

3. Simplify:—

$$\frac{I}{I + \frac{I}{I + \frac{I}{I + \frac{I}{I}}}}$$

4. How many pence, shillings, etc., (sterling) are there in \$4 17 $\frac{1}{2}$?

5. Bought 13 tons, 2 cwt, 3 qrs., 23 lbs., 11 oz. of sugar at 12 $\frac{1}{2}$ c. per lb. How much did I spend?

6. B. owns $\frac{1}{4}$ of a ship, and sells $\frac{1}{2}$ of his share for \$3,600. What is the ship worth?

7. Simplify—

$$\left(\begin{array}{l} £10 \text{ 3s. 6d.} + 13 \text{ lbs. 10 oz.} \\ £10 \text{ 2s. 6d.} + 3 \text{ cwt. 3 qrs.} \end{array} \right) \div \frac{1763 \text{ yds. 2 ft.}}{1 \text{ mile 1 ft.}}$$

8. If two men can reap a field in 6 hours, and one of them can do it in 10 hours, how long will it take the other?

GRAMMAR.

Junior III. to Senior III.

1. Name the parts of speech in this sentence: On every hillside, I saw beautiful fields of ripe grain, and neat cottages surrounded by pretty gardens.