

213. A's property is assessed at \$6,750, and B's at \$13,575. A's tax is \$52.65: how much is B's?

214. Find the unknown term in the following proportion:

$$7\frac{1}{2} : 6\frac{1}{4} :: \text{---} : 5$$

215. Find the unknown term in the following proportion:

$$\left. \begin{array}{l} 7 : 21 \\ 4 : 8 \end{array} \right\} :: 3 : \text{---}$$

216. What is the square root of 1127750724?

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*Examination X. Nov, 11, 1869.*

217. Add in figures, LXVI, MDXIX, CCIV, XVIII.

218. From sixty-eight million nine hundred thousand and six, take seven million two hundred thousand and two.

219. Six hundred and four is one factor, ninety-six thousand and seventy-three is the other: what is the product?

220. Which term in division corresponds with the product in multiplication?

221. Give the method of proving division.

222. Resolve 7498 into its prime factors.

223. Find the greatest common divisor of 505, 707, and 4343.

224. Of what is the least common multiple of several numbers the product?

225. Find the smallest number that exactly contains 78, 156 and 390.

226. Express in words  $\frac{40203}{700007}$ .
227. Reduce 387 to eighty-fifths.
228. What is the cost of four fields, containing respectively  $4\frac{1}{2}$ ,  $2\frac{1}{2}$ ,  $3\frac{2}{3}$ , and  $1\frac{1}{2}$  acres, at \$25 an acre?
229. What is the rate per hour of a boat that goes  $230\frac{3}{10}$  miles in  $18\frac{3}{5}$  hours?
230. Write as a decimal,  $\frac{3241}{100000}$ .
231. Required the area in acres, etc., of a piece of land .5 of a mile long and .3 of a mile broad.
232. From 1 lb. Troy, take 10 oz. 17 pwt. 18 gr.
233. Sold 517 bbl. of flour for \$8.10 per bbl., at a profit of 8 per cent.; what was the whole cost?
234. 1 rd. :  $\frac{1}{2}$  ft. : : ? : \$0.50.
235.  $(\frac{2}{3})^4 = ?$
236. What is the square root of .0011943936?
237. What is the amount of \$50, at compound interest for 3 years, at 8 per cent., interest payable half-yearly?
238. A note for \$486, dated September 7, 1863, was endorsed as follows: Received, March 22, 1864, \$125. Nov. 29, 1864, \$150. May 13, 1865, \$120. What was the balance due April 19, 1866, the rate being 6 per cent?
239. What are the proceeds of a note for \$426.10, payable in 57 days, with interest at 6 per cent., discounted at bank for 6 per cent?
240. If \$400, at 7 per cent., in 9 mo., produce \$21 interest, what will be the interest on \$360, for 8 mo., at 6 per cent?

(Solve by proportion.)