EXAMINATION EXERCISES.

PAPER XXVIII.

271. A person sells a certain amount of 5% stock for 86 and invests in 6% at 103, and by so doing changes his income by \$1. Is the change an increase or a decrease? How much stock did he sell?

272. Lead is 11.4 times and zinc 7.2 times as heavy as water. If 3 pounds of lead and 2 pounds of zinc be melted together, compare the weight of the mixture with that of water.

273. I found that by giving 13 cents each to a certain number of beggars I would have just 10 cents left, but by giving each of them 17 cents I would not have enough by 10 cents. How many beggars were there ?

274. A contractor found that he would have \$75 left if he paid his men 85 cents each, but that he would need \$125 more if he paid them \$1.25 each. How many men were there?

275. A boy earned 15 cents a day for prompt attendance during the 200 school days in the year, and forfeited 12 cents each day he was tardy. At the end of the year he received \$29.73. How many days was he punctual?

276. A crew can row up a stream a certain distance in 64 minutes and back again in 60 minutes. Determine the distance, the rate of the stream being half a mile an hour.

277. Two-thirds of a number increased by $\frac{1}{5}$ of the number, and this increased by 34, will give twice the number. Find the number.

278. When the hour hand of a clock is 22 minutes ahead of the minute hand, how far must the minute hand move to over-take the hour hand?

279. If the time past noon increased by 90 minutes equals $\frac{5}{11}$ of the time from noon till midnight, what time is it?

280. When wheat is worth 90 cents a bushel a baker's loaf weighs 9 ounces. How many ounces should it weigh when wheat is worth 72 cents a bushel ?

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