2. (a) Two cog-wheels, containing 210 and 330 cogs respectively, are working together. After how many revolutions of the larger wheel will two cogs which once touched, touch again?

(b) Extract the square root of $11 \frac{37}{49}$.

3. ·(a) Find the cost of 3768½ articles at £1 7s 4½d.

(b) If 3 men earn $15 in 4 days, what sum will 18 men earn in 12 days?

4. Make out an account of the following sales. supplying names and dates of your own selection : 6 pairs of blankets, @ $5 50 ; 12½ yds. merino, @ .45 cts ; 15¾ yds. of cloth, @ $3.25 ; 5¼ yds of flannel, @ 30 cts. ; 2 counterpanec, @ $4.25 each ; 25¼ yds. of calico, @ 15 cts.

5. (a) Find the interest on $1,000 at 3 per cent. per annum, from the 11th January, 1895, to the 9th July, 1897.

(b) At what rate per cent. will $520 amount to $890.80 in six years, simple interest?

---

10 10 TO 11.10 A. M., FRIDAY, 9TH JULY.

DRAWING AND BOOK-KEEPING. D.

(Values need not be expected in this paper for answers in which the *Drawing* and *Writing* are not good, for this paper is designed to test the degree to which the hand has been trained to do beautiful and accurate work.)

1. The two sides of a triangle are 325 and 479, and the angle opposite the former side is 36°. Construct the triangle (on the scale of 100 to an inch if convenient, but any other scale will do as well), and find the other angles and side If this problem has two solutions, find the other parts of each triangle.

2. Draw (a) the front of a house, or (b) a vase or pitcher standing on a rectilineal surface.

3. Draw (a) any original design you choose, or (b) any object in connection with your " science" or " nature" studies.

4. Draw out a form of a Cash Book, and explain its use. What sums entered in the Cash Book for Single Entry are found in the Ledger? Describe the process of balancing the Cash Book.

5. Write out the form of a " Due Bill payable in goods," a " Receipt in full," and a " Joint Promissory Note." Explain Voucher, Discount, Draft, Invoice, Assets.

---

2 TO 3 P. M., FRIDAY, 9TH JULY.

GEOGRAPHY AND HISTORY. D.

(Only *five* questions to be answered.)

1. Describe the Anglo-Saxon methods by which accused per ons could prove their innocence.

2 Sketch the career of Henry V. or Richard III.

3. Write notes on Domesday Book, Constitutions of Clarendon, Magna Charta, Provisions of Oxford, Mise of Lewes, Battle of Bosworth Field.

4. Explain the terms : *monarchical, responsible, representative, fed·ral,* as applied to the *form* of government in the Dominion of Canada.

5. Name the counties of Nova Scotia and New Brunswick through which the Intercolonial Railway runs. Name and locate the chief cities of Ontario ; or, write a note on the railways of Canada.

6 Give as full a description as you can of the *industries, exports* and *imports* of the British Isles.

7. Describe any *one* of the following : Spain, Greece, Holland, Russia, California, or Cuba

---

3 10 TO 4.10 P M., FRIDAY, 9TH JULY.

ENGLISH GRAMMAR. D.

1. What parts of speech may each of the following words be : *Deck, Stone, But, Past, After* and *Round.* Write short sentences illustrating the several uses of them.

2. Give the past tense and the past participle of the following verbs : *arise, burst, rise, raise, lead, swim, teach, ride, spit, split, shave.* Distinguish between the uses of the past tense and past participle

3. Define : *Adverb, Conjunction, Preposition,* and state the various ways in which the *subject* may be enlarged.

4. Parse : He who would search for pearls must dive below.

5. Analyze : I have heard that in ·he mountainous districts of Scotland shepherds shoot the hill-fox, which is most destructive to lambs.