

2. From a point A in a level field the angle of elevation of the top of a flag-pole is observed to be 45° ; from another point B 60 feet nearer the foot of the pole the angle of elevation of its top is found to be 75° . Plot to any convenient scale and find the height of the pole and the distance from B to the foot of the pole.

3. Draw a circle with radius of 2 inches. In it describe a square and about it circumscribe a square. Measure the sides of the squares and calculate how many times the area of the larger square is greater than the smaller.

4. Make a chart or graph that would clearly show the attendance of scholars in a small school from Monday morning to Friday afternoon. Starting on Monday a. m. with 115 scholars, p. m. 120; Tuesday a. m. 116, p. m. 119; Wednesday a. m. the maximum attendance of 125 was attained, p. m. 122; and so on. Friday p. m. there were 118.

5. Make a working drawing of a chalk box, $5\frac{1}{2}''$ long, $3\frac{1}{4}''$ wide, $3\frac{1}{4}''$ deep, $\frac{1}{4}''$ thickness of wood.

6. Draw a group containing a teapot and a cup and saucer as they would appear on the breakfast table.

7. Draw a flower in simple outline, and then make a border design adapted from the flower in a space $6''$ long by $1\frac{1}{2}''$ wide. Choose from the clover, daisy or wild rose.

8. Show in pencil outline the difference in character of the elm and pine trees; or apple and spruce trees.

9. Draw an oblong shape about $4'' \times 5\frac{1}{2}''$, and make therein a simple illustration of a boy or girl fishing in a creek, or gathering flowers; Or, illustrate the following lines.

"Three fishers went sailing away to the west."

"Away to the west as the sun went down."

"Each thought of the woman who loved him the best."

"And the children stood watching them out of the town."

Charles Kingsley.

10. State in a few words why red, yellow and blue are called "primary" colors. Also what you know about "complimentary" colors. What is the complimentary of purple?

11. Draw at least one of the following: pine cone, a scallop's shell, winged maple seed, a Canadian bird, leaf of the horse chestnut, a grass-hopper, squirrel.

12. Letter carefully the words, "Nova Scotia," in capital letters one inch high.

GEOGRAPHY.—IX.

3 to 5 p. m., Tuesday, 25 June, 1918.

1. Name the counties in Nova Scotia that are noted for (a) the production of coal, (b) the catch of fish, (c) the production and export of fruit, (d) shipbuilding. Also, name six places in the province of N. S., noted for manufacturing, and name six of the best ports in Nova Scotia.

2. Name the provinces of Canada in the order of their size, beginning with the smallest, and give the capital, chief products, area and population of each; Or, State reasons why an increased production of food, fuel and ships, and the practise of strict economy would indicate strong character, real patriotism, and a worthy spirit of thrift in the people of Canada.