

2. Take a piece of paper 9 inches or a foot long; fold it into a strip 1 inch wide; tie a single knot in the paper and then make a drawing of it. The teacher may show how to fold the paper and tie it in a knot. [12.]

3. Draw from memory an oblong box stove. Show the top, front door and damper. [12.]

4. Draw from memory any two kinds of leaves. Write the kind of leaf under each. [12.]

5. On a scale of a half inch to the foot draw the floor of a room 10 ft. by 13 ft. Off the end of the room take a closet 3 ft. by 5 ft. Mark the strips of carpet 30 in. wide running the length of the room required to cover the remainder. Use the ruler, make the drawing very exact. [24.]

Count 60 marks a full paper.

#### ARITHMETIC—3RD TO 4TH CLASS.

Time, 3 hours.

*Limit of Work.*—Practical applications of the four simple rules continued. Factoring continued. Reduction and the compound rules. Cancellation. Measures and multiples.

1. (a) When you are given the product and multiplier how do you find the multiplicand? [4.]

(b) When you have the quotient, divisor and remainder how do you find the dividend? [4.]

(c) When you know how much all the articles together cost, and the number of articles, how do you find the price of one article? [4.]

NOTE.—Full marks are not to be allowed for (a), (b) and (c), unless the answers are given in complete sentences.

(d) The quotient is 29, the dividend is 141,578, the remainder is five times as much as the quotient; find the divisor. [8.]

2. Reduce (a) 98 dys., 0 sec., 168 hrs., 0 min., to weeks. [6.]

(b) 34,864 sq. rods of land to sq. ft. [6.]

3. Add 27,509 yards of wire, 5,812 rods, 899 feet, 108 inches, 54 miles. Give the answer in feet. Put all the work on the paper. [15.]

4. (a) How many paper bags, each to con-

tain 11 lbs. 4 oz. (\$1.00's worth), can be filled from a ton of sugar? [6.]

(b) A grain bin 9 ft. long and 4 ft. wide contains by measurement 150 bushels of oats. How many bags, each to hold on an average 2 bush., 3 gal., 3 qts., can be filled from the contents of the bin? [7.]

5. A lady purchased 14 yds. 27 in. of silk, at \$2.40 per yard, a fur cloak, costing eighty cents less than twice as much as the silk, and groceries amounting to \$14.60. Find the total cost of her purchases. [12.]

6. Make a bill of the following items. Use your ruler in drawing the lines needed for the bill:

Mrs. F. L. Woodcamp bought of Messrs. Anderson & Co., 5th Sept.—3 lbs. 2 oz. tea at 64 cents per lb.; 5 lbs. 4 oz. lard at 12 cents per lb. 19th Sept.—3 quarts syrup at 60 cents per gal.; 25 lbs. rice at \$4.50 per cwt. 3rd Oct.—18 herrings at 25 cents per dozen;  $5\frac{1}{2}$  lbs. of sugar at 11 lbs. for \$1. [25.] 3 marks for the correct work of each item put on paper and denominations all written. 1 mark for correct amount without the work. 2 marks for correct entry and addition of the items, and 5 marks for a neat and correct form of bill.

7. Find the value of a pile of four foot cord wood 68 ft. long, 7 ft. high; 9 cords are bargained for at \$4.50 per cord, and the remainder at \$4.40 per cord. [15.]

8 Find the cost of carpeting with tapestry 27 in. wide at 85 cents per yard, a room 21 ft. 6 in. long, and 13 ft. 4 in. wide. Will six strips of carpet the length of the room have to be bought? [15.]

9. Find the amount of 2,275 lbs. of wheat at 76 cents per bush., and 2,380 lbs. of wheat at \$1.30 per cwt. [15.]

A maximum of 10 marks for neatness and style of work may be allowed on this paper; exclusive of these require 25 marks as a minimum for promotion. Count 120 marks a full paper.

#### READING—3RD TO 4TH CLASS.

50 Marks.

Old Third Reader, p. 274 (New Third Reader, p. 267), "Well, friend Midas 'to 'mortals sigh and struggle after.'"