

COMMON EXAMINATION FOR ENTRANCE TO PUBLIC SCHOOLS.

ARITHMETIC A.

[45 minutes.]

1. (i) Simplify $2 - 1\frac{2}{3} \times \frac{5}{6}$.
(ii) Divide $\cdot 0016$ by $\cdot 04$.
2. A square carpet has an area of 169 square feet; what is the length of a side of the carpet? Another carpet is 13.5 feet long and 11.5 feet wide. Which carpet has the greater area?
3. 1 kilogram is approximately equal to 2.2 lbs. How many kilograms are there in one hundredweight? (Give your answer to the nearest kilogram.)
4. Three boys, Richard, Peter and John, arrange to hire a motor scooter for the month of June at a cost of £7 10s. 0d. They agree to pay the hire charge in the ratio of the number of days for which they each use it. If John uses it for 12 days, Peter for 15 days and Richard for 3 days, how much should each boy pay?
5. In an examination there were 18 candidates and their marks out of 100 were as follows:

1 boy scored	41
10 boys scored	40
5 boys scored	35
1 boy scored	28
1 boy scored	22

What was the average mark scored in the examination?

6. A man planted a shelter of trees on the north side of a field, consisting of a row of poplar, a row of maple and a row of thorn. He planted one of each kind at the end of the shelter as in the figure and then a poplar every 12 feet, a maple every 6 feet and a thorn every 8 feet. If the shelter is 64 yards long how many times will a poplar, a maple and a thorn be in a straight line?

