ELEMENTARY ARITHMETIC.

9 The average of 16 results is 20, that of the first three being 8, and of the next nine 12; find the average of the last four? 47 - Ans.

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10 A banker paid \$133 for a note of \$140, which was legally due in 8mos.; find the rate per cent discount. $7\frac{1}{2}$ per cent—Ans.

Fifth Class-4.

1 An agent received a commission of 2 per cent on the proceeds of 600bls. of flour. His commission amounted to 72; how much did he receive per barrel for the flour? 6-Ans.

2 Find the compound interest on \$800 for 2yrs. at 5 per cent, payable half-yearly. \$83.0503125-Ans.

3 Sixty men have provisions to last them 30 days; how long will the provisions last if 30 per cent of the men leave? $42\frac{9}{2}$ days - Ans.

4 A monument is 30ft. high, its shadow is 120ft. long; find the distance from the top of the monument to the farthest end of the shadow. $123 \cdot 69 + \text{ft.}$ —Ans.

5 $\frac{34}{25}$ per cent is added to a certain number; what per cent must be taken from the sum to give the original number? $\frac{639}{639}$ per cent—Ans.

6 A train 200ft. long runs over a bridge 120ft. long, at the rate of a mile in 3mins. ; how long will the train be in crossing the bridge ? 1019secs.—Ans.

7 The divisor is 30 per cent of the dividend, the quotient is 3, and the sum of the three is 1173; find the remainder. 90—Ans

8 A man invests \$1200 in Bank Stock paying 4 per cent. How much must he pay for the stock per hundred in order to receive 6 per cent on his money. $$66\frac{2}{3}$ - Ans.

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