

A Collection of Questions To
Exercise The Foregoing Rules

Phare starts 10 yds before a greyhound & is not passed by him till she has run up 40 seconds she scuds away at the rate of ten miles an hour & the dog on view makes after her at the rate of 13 miles an hour. How long will the course held & what space of will be run over from the spot where the dog started

How	Miles	Seconds	miles per	100 yds
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[illegible]

There are two numbers whose product is 1610 the greater is given 46. Admit the sum of their squares the cube of the difference

Suppose there is a mast erected so
that $\frac{1}{4}$ of its length stands in the
length ground 12 feet if it in the water
by its length in the air or above water
demand the whole length

$$\begin{array}{r} 46 \overline{) 1610} 35 \\ \underline{138} \\ 230 \\ \underline{230} \\ 0 \end{array}$$

Handwritten arithmetic problems showing the addition of 36 and 34.

Problem 1:

$$\begin{array}{r} 36 \\ 34 \\ \hline 70 \end{array}$$

Problem 2:

$$\begin{array}{r} 36 \\ 34 \\ \hline 72 \\ \hline 70 \end{array}$$

Questions for Exercise

What difference is there between the interest of \$100 at 3 per cent for 12 years & the discount of the same sum at the same rate & for the same time

$$\begin{array}{r} 100 \\ \underline{3} \\ 500 \\ \underline{19} \\ 6000 \\ \underline{100} \\ 160 \end{array} \quad \begin{array}{r} 300 \\ \underline{6} \\ 2800 \\ \underline{12} \\ 30000 \\ \underline{18710} \\ 11290 \end{array}$$

A stationer sold quills at 10 per thousand
and by which he cleared 3/8 of his money but
growing scarce raised them to 13 1/2 per thousand
and what might he clear percent by the
later price

1000	13 1/2
1000	13 1/2

What might be clear from the
 later price

$ \begin{array}{r} 11^{\circ} 0' 0'' \\ 4^{\circ} 1' 2'' \\ \hline 6^{\circ} 10' 2'' \end{array} $	$ \begin{array}{r} 13^{\circ} 6' 0'' \\ 6^{\circ} 10' 2'' \\ \hline 6^{\circ} 7' 2'' \end{array} $
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5 1/32 1/4

$ \begin{array}{r} 1 \\ 32 \\ \hline 12 \\ 12 \\ \hline 8 \\ 4 \\ \hline 16 \\ 16 \\ \hline 32 \end{array} $	$ \begin{array}{r} 12 \\ 82 \\ 4 \\ \hline 330 \end{array} $	$ \begin{array}{r} 12 \\ 79 \\ 4 \\ \hline 314 \end{array} $
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330 | 31500 96
 2970
 3180

Three persons purchase a West India sloop towards the payment of which A
advanced $\frac{7}{8}$ B $\frac{3}{4}$ & C 40 How much paid A B C & what part of the vessel had

[illegible]

What is the purchase of 1200 $\frac{1}{2}$ bank stock at 103 $\frac{3}{4}$ per cent

$$\begin{array}{r} 1200 \\ 10396 \\ \hline 750 \\ 3600 \\ 1200 \\ \hline 124350 \\ 20 \\ \hline 10000 \end{array}$$