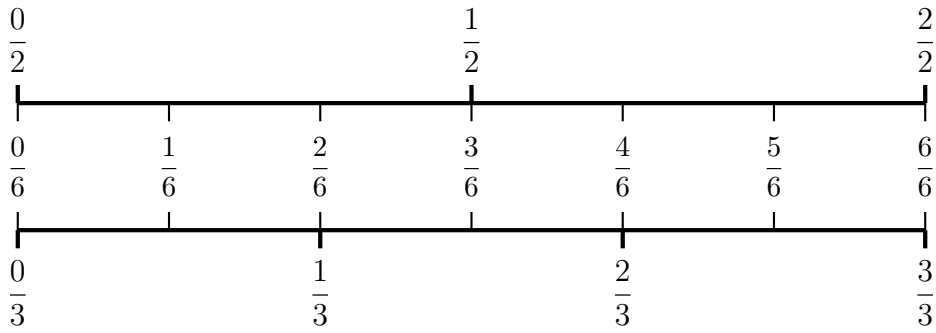
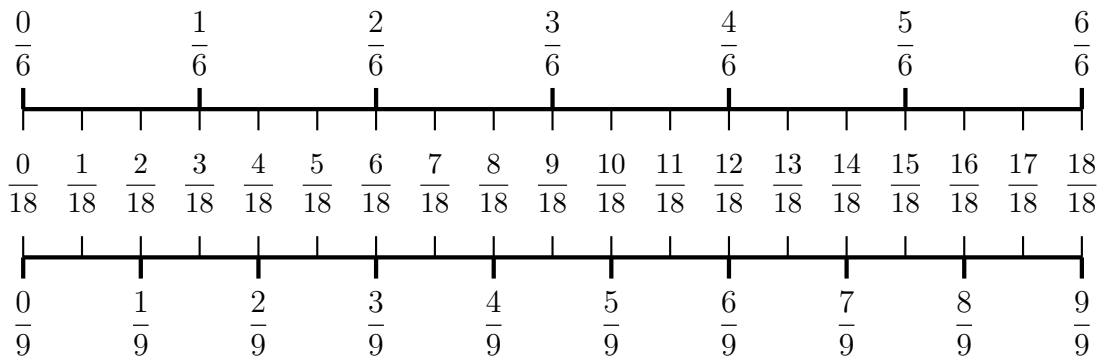


1. Use this number line to complete $\frac{1}{2} - \frac{1}{3} = \frac{\quad}{6} - \frac{\quad}{6} = \frac{\quad}{6}$



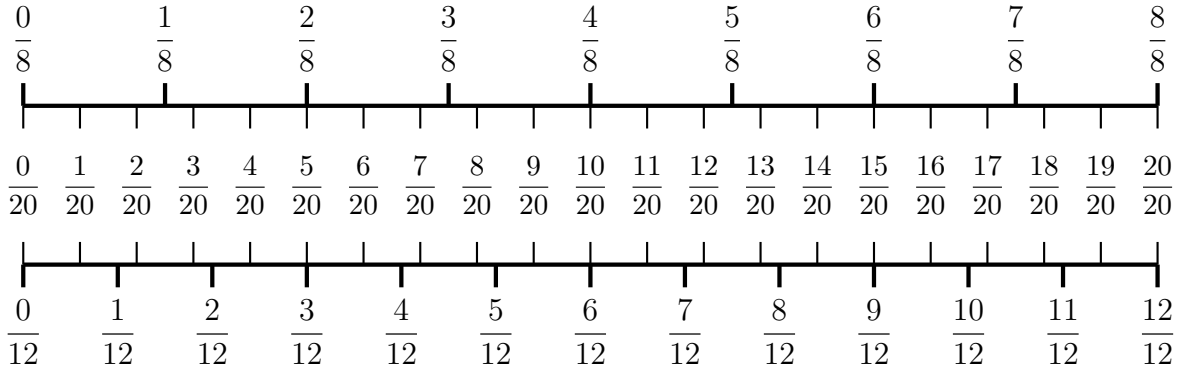
2. Use this number line to complete $\frac{4}{9} - \frac{1}{6} = \frac{\quad}{18} - \frac{\quad}{18} = \frac{\quad}{18}$



3. The timely practice app asked Hamlet and Laertes to work out $\frac{3}{8} + \frac{7}{12}$

Hamlet said the answer is $\frac{10}{20}$ because $\frac{3+7}{8+12}$

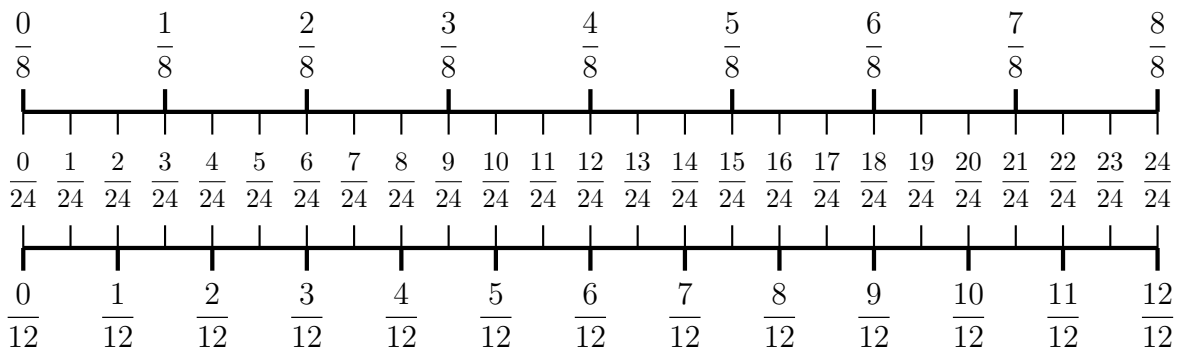
(a) Use this number line to explain one reason why Hamlet must be wrong



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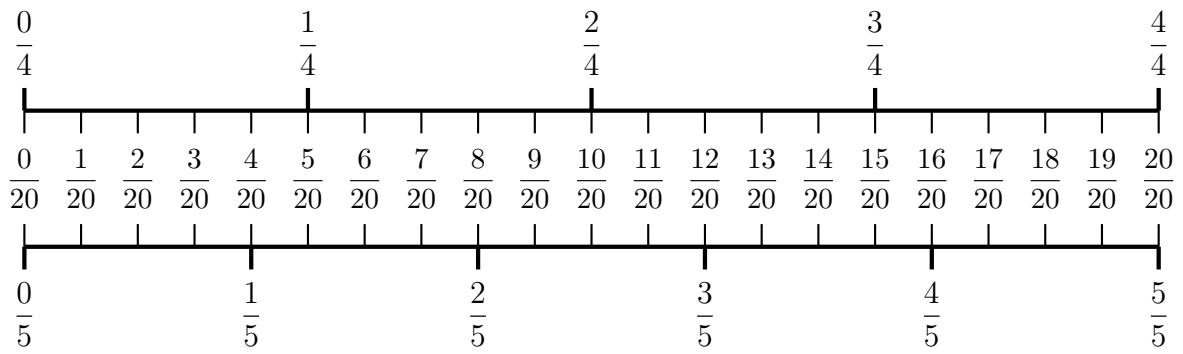
Laertes said the answer is $\frac{23}{24}$

(b) Use this number line to explain why Laertes is correct.



.....

4. Use this number line to complete $\frac{3}{4} - \frac{1}{5} = \frac{\quad}{20} - \frac{\quad}{20} = \frac{\quad}{20}$



Answers

1. $\frac{1}{6}$

2. $\frac{5}{18}$

3. (a) e.g. $\frac{10}{20} < \frac{7}{12}$ (and $\frac{3}{8}$ is not negative)

(b) $\frac{3}{8} + \frac{7}{12} = \frac{9}{24} + \frac{17}{24} = \frac{23}{24}$

4. $\frac{11}{20}$