1. In a mix of dried fruits, there are 7 parts dried apples, 4 parts dried pears, and 5 parts dried apricots, which means they should be mixed in the ratio 7:4:5. What is the weight, in grams, of the apples, pears, and apricots in the fruit mix if the total weight is 1600 g ?
2. The ratio of roses to hibiscuses in the garden is $9: 11$. If there are 99 rose
 bushes, what is the total number of flower bushes in the garden?
3. Winnie the Pooh can eat 10 kg of honey in 4 hours, and Little Piglet can eat 10 kg of honey in 5 hours. How much honey can they eat together in 3 hours?
4. The difference between two numbers is $8 \frac{1}{2}$, and their sum is 17 . How many times is one number bigger than the other?
5. Solve the equations:
a. $5 \frac{1}{4} \cdot x=\frac{7}{8}$;
b. $c: 1 \frac{11}{16}=\frac{4}{9}$;
d. $1 \frac{2}{3}: x=2 \frac{7}{9}$;
e. $4 \frac{2}{9}=6 \frac{1}{3} \cdot k$
6. Evaluate (answer is $4 \frac{3}{4}$ ):

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\frac{9}{10} \cdot 1 \frac{1}{14}: 2 \frac{4}{7} \cdot 24-2 \frac{4}{15}:\left(1 \frac{1}{5}-\frac{2}{3}\right) ;
$$

7. $m$ is a positive number less than 1 . (We can write $0<m<1$ ). Compair:
a. $10 \ldots .10 \cdot m ;$
b. 10 ... 10: $m$;
8. A bus carrying 4th-grade students started its journey to a field trip from Stony Brook at 9 am , moving at a speed of $54 \mathrm{~km} / \mathrm{h}$. After $2 \frac{1}{3}$ hours, Robert's father realized that Robert had forgotten his sleeping bag, so he jumped into his car and started going after the bus at a speed $1 \frac{4}{9}$ times higher than the speed of the bus. When will he catch the bus?
