

NS4-82: Mixed and Improper Fractions (Advanced)

How many whole pies are there in $\frac{13}{4}$ pies?

There are 13 pieces altogether. $\leftarrow \frac{13}{4} \rightarrow$ Each pie has 4 pieces.

So you can find the number of whole pies by dividing 13 by 4:

$$13 \div 4 = 3 \text{ Remainder } 1$$

There are 3 whole pies and 1 quarter left over. So $\frac{13}{4} = 3\frac{1}{4}$.

1. Find the number of whole pies in each amount by dividing.

- a) $\frac{4}{2}$ pies = _____ whole pies b) $\frac{6}{2}$ pies = _____ whole pies c) $\frac{10}{2}$ pies = _____ whole pies
 d) $\frac{6}{3}$ pies = _____ whole pies e) $\frac{12}{3}$ pies = _____ whole pies f) $\frac{8}{4}$ pies = _____ whole pies

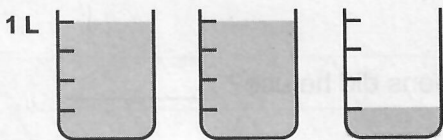
2. Find the number of whole pies and the number of pieces remaining by dividing.

- a) $\frac{5}{2}$ pies = _____ whole pies and _____ half pie = $2\frac{1}{2}$ pies
 b) $\frac{7}{2}$ pies = _____ whole pies and _____ half pies = _____ pies
 c) $\frac{7}{3}$ pies = _____ whole pies and _____ third pies = _____ pies
 d) $\frac{10}{3}$ pies = _____ whole pies and _____ third pies = _____ pies
 e) $\frac{11}{4}$ pies = _____ whole pies and _____ quarter pies = _____ pies

3. Write the following improper fractions as mixed fractions.

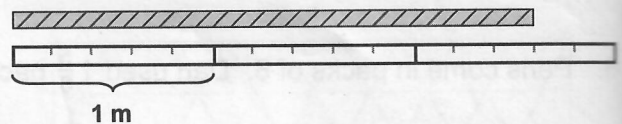
- a) $\frac{3}{2} =$ b) $\frac{9}{2} =$ c) $\frac{8}{3} =$ d) $\frac{15}{4} =$ e) $\frac{22}{5} =$

4. Write a mixed and improper fraction for the number of litres.



Mixed _____ Improper _____

5. Write a mixed and improper fraction for the length of the rope.



Mixed _____ Improper _____