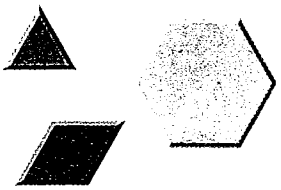
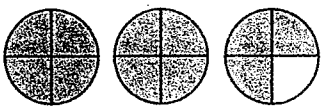
Practising



3. Model each improper fraction using pattern blocks. Use the yellow pattern block to represent one whole. Then write the equivalent mixed number for each fraction.

a) $\frac{10}{6}$ **b)** $\frac{14}{6}$ **c)** $\frac{11}{3}$ **d)** $\frac{7}{3}$

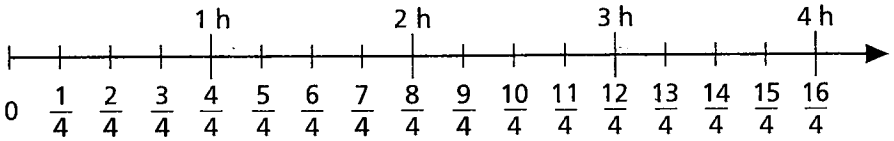
4. How does this picture show that $\frac{11}{4} = 2\frac{3}{4}$?



5. Write each improper fraction as a mixed number.

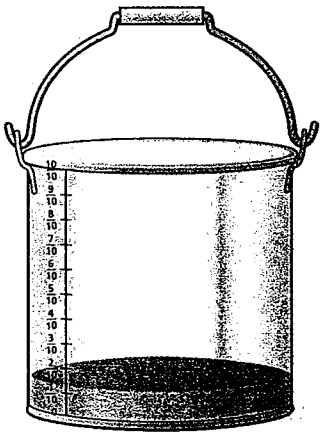
a) $\frac{18}{4}$ **b)** $\frac{23}{5}$ **c)** $\frac{13}{5}$ **d)** $\frac{26}{3}$

6. A timer goes off every $\frac{1}{4}$ h to remind Jennifer to baste the turkey she put in the oven. If the timer goes off 13 times, how many hours has the turkey been in the oven? Use the number line below to help you.



7. **a)** Use an improper fraction to describe the number of hours you would need to watch a $\frac{3}{4}$ h video three times. Use the number line above to help you.

b) How do you know that your time in part a) is equivalent to $2\frac{1}{4}$ h?



8. Deanna puts a bucket under a dripping tap to catch the water. In one hour, $\frac{1}{10}$ of the bucket is filled. She uses this amount to estimate the number of buckets of water her family wastes in a day.

a) What improper fraction describes the number of buckets of water that are likely to be filled in 24 h?

b) What mixed number describes the number of buckets of water that are likely to be filled in 24 h?

9. How can writing the improper fraction $\frac{22}{5}$ as a mixed number help you explain why $\frac{22}{5}$ is between 4 and 5?