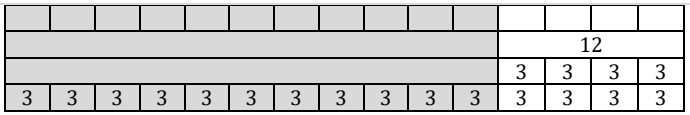
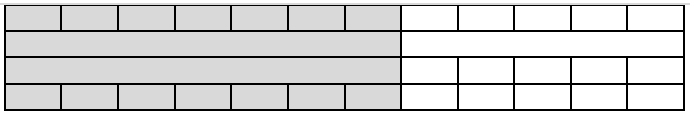
a)

Sam ate $\frac{2}{5}$ of a packet of biscuits, and Tom ate $\frac{1}{3}$ of the packet of biscuits.
They left 12 biscuits in the packet.
How many biscuits were in the packet to begin with?

What fraction of the packet did Sam and Tom eat?	$\frac{2}{5}+\frac{1}{3}=\frac{6}{15}+\frac{5}{15}=\frac{11}{15}$
What fraction of the packet is left?	$1-\frac{11}{15}=\frac{4}{15}$
How many biscuits were in the packet to begin with?	 $3 \times 15 = 45$

b)

Alex ate $\frac{1}{4}$ of a bag of sweets, and Jules ate $\frac{1}{3}$ of the bag of sweets.
They left 20 sweets in the bag.
How many sweets were in the bag to begin with?

What fraction of the bag did Alex and Jules eat?	$\frac{1}{4}+\frac{1}{3}=\frac{3}{12}+\frac{4}{12}=\frac{7}{12}$
What fraction of the bag is left?	$1-\frac{7}{12}=\frac{5}{12}$
How many sweets were in the bag to begin with?	

c)

Ash ate $\frac{3}{8}$ of a bag of chocolates, and Jules ate $\frac{2}{5}$ of the bag of chocolates.
They left 18 chocolates in the bag.
How many chocolates were in the bag to begin with?

What fraction of the bag did Alex and Jules eat?	$\frac{3}{8}+\frac{2}{5}=\frac{15}{40}+\frac{16}{40}=\frac{31}{40}$
What fraction of the bag is left?	
How many chocolates were in the bag to begin with?	

d)

Jordan ate $\frac{1}{4}$ of a bag of crackers, and Chris ate $\frac{3}{10}$ of the bag of crackers.
They left 45 crackers in the bag.
How many crackers were in the bag to begin with?