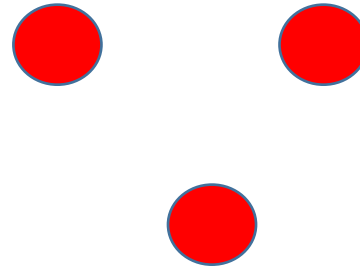
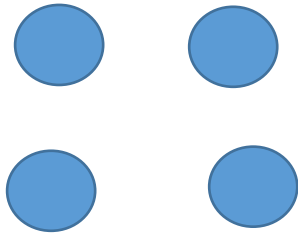


# Step 1: Objects, pictures and marks



4

+

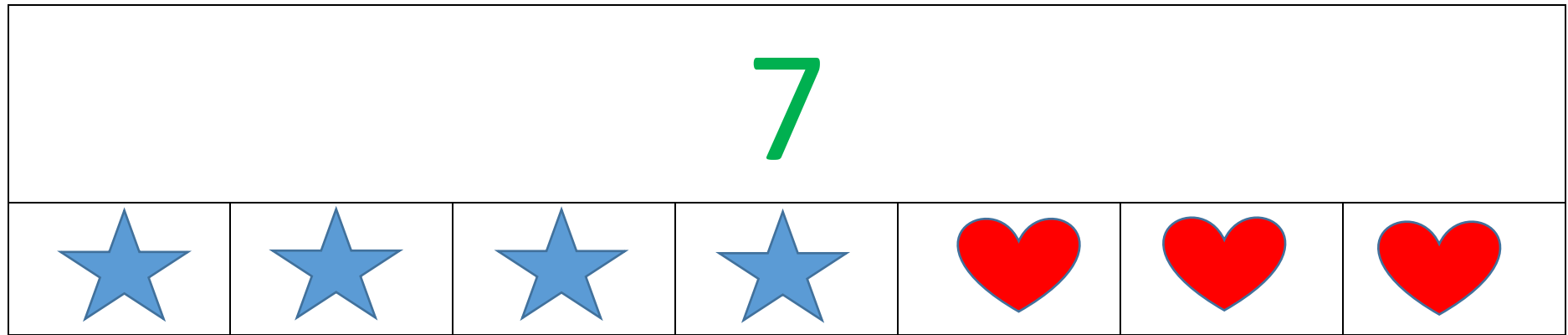
3

=

7

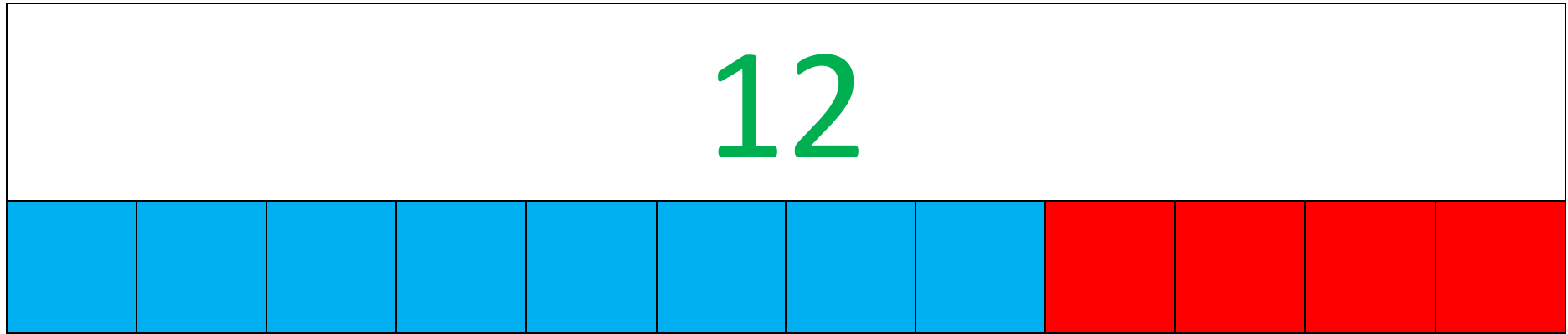
Recording number sentences linked to practical activities

## Step 2: Arranging pictures or objects in bars



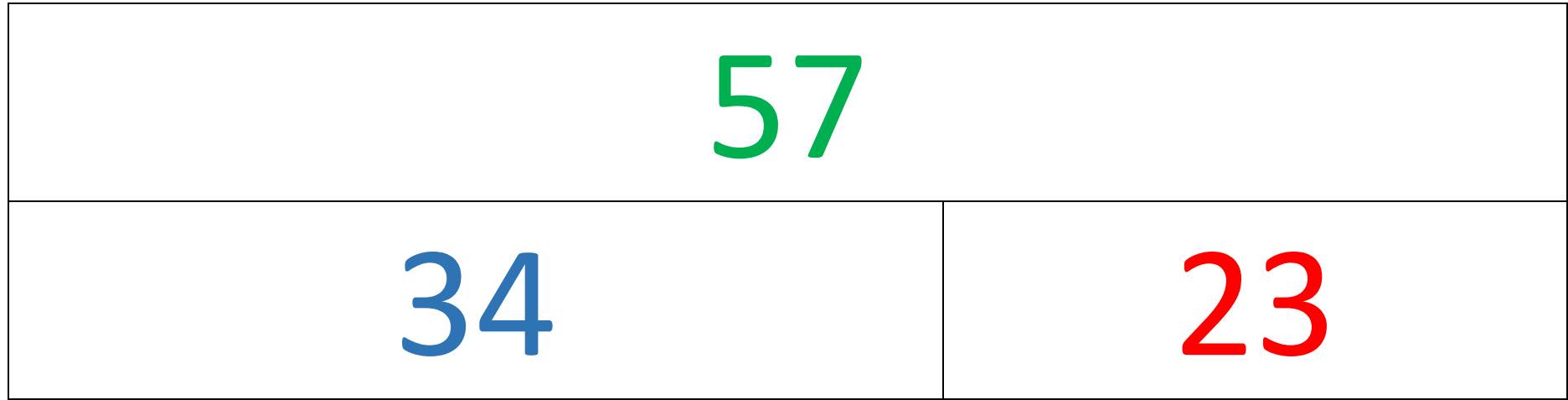
$$4 + 3 = 7$$

## Step 3: Arranging squares in bars



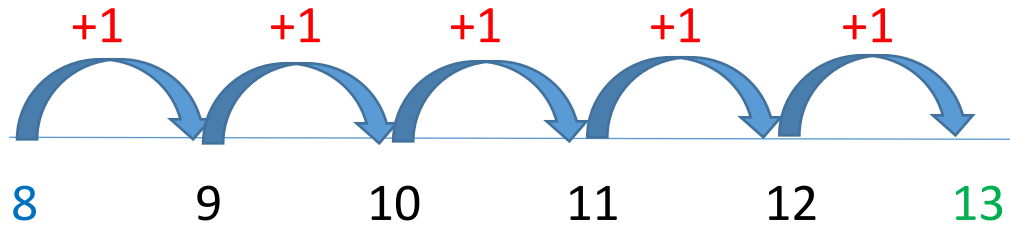
$$8 + 4 = 12$$

## Step 4: Arranging in abstract bars

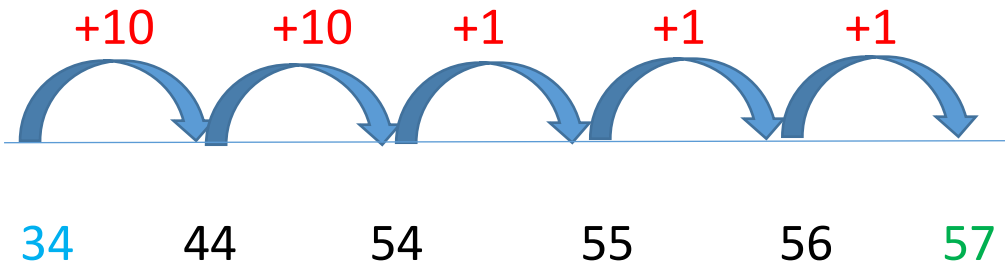


$$34 + 23 = 57$$

# Step 5: Counting up in 1's and 10's



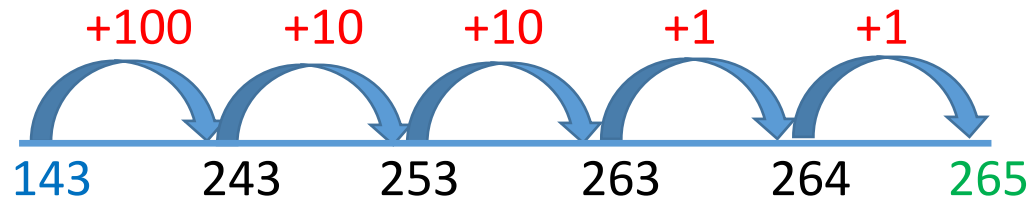
$$8 + 5 = 13$$



$$34 + 23 = 57$$

# Step 6: Empty number line

Draw own number line as in step 2. Record the sum vertically



+

143

122

---

265

---

# Step 7: Partitioning

H            T            U

$143 + 124 = 267$

100            40            3

+ 100            20            4

---

200            60            7 = 267

---

## Step 8: Partitioning crossing tens

$$E = 140 + 180 = 320$$

$$\begin{array}{r} 100 \quad 40 \quad 3 \\ + 100 \quad 80 \quad 4 \\ \hline 300 \quad 20 \quad 7 \end{array} = 327$$

100

$$143 + 184 = 327$$



## Step 9: Column Addition

$$E = 140 + 120 = 260$$

$$\begin{array}{r} 137 \\ + 124 \\ \hline 261 \\ \hline 1 \end{array}$$

$$E = 1150 + 1200 = 2350$$

$$\begin{array}{r} 1163 \\ + 1238 \\ \hline 2401 \\ \hline 11 \end{array}$$