

Division Strategies

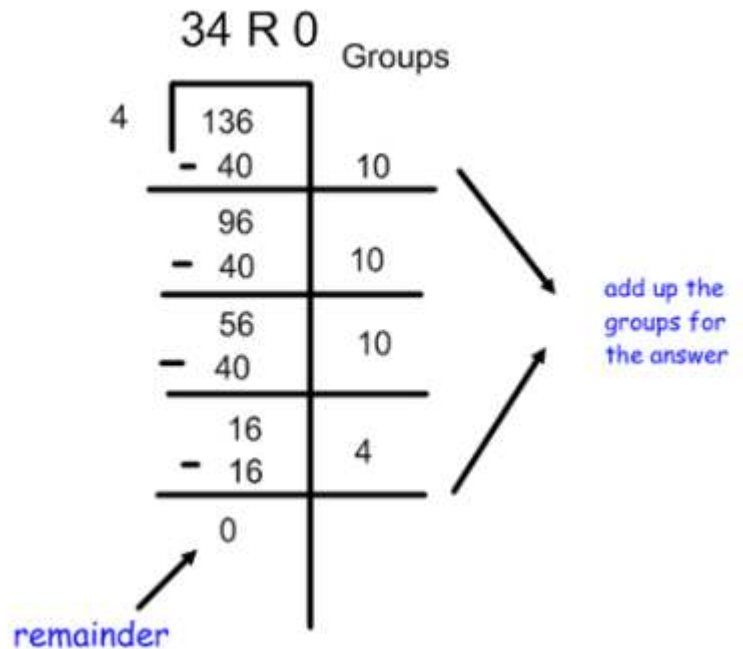
I want to share 136 apples with 4 families. How many apples will each family get?

Multiple Tower

4 - 1
8 - 2
12 - 3
16 - 4
20 - 5
24 - 6
28 - 7
32 - 8
36 - 9
40 - 10
44 - 11
48 - 12
52 - 13
56 - 14
60 - 15
64 - 16
68 - 17
72 - 18
76 - 19
80 - 20
84 - 21
88 - 22
92 - 23
96 - 24
100 - 25
104 - 26
108 - 27
112 - 28
116 - 29
120 - 30
124 - 31
128 - 32
132 - 33
136 - 34

skip count by the number that you are dividing by until you get as close the number you are dividing without going over.

Forgiving method



Using multiplication to help you divide

I know

$$\begin{array}{r}
 4 \times 10 = 40 \\
 4 \times 10 = 40 \\
 + 4 \times 10 = 40 \\
 \hline
 4 \times 30 = 120
 \end{array}$$

$$\begin{array}{r}
 136 \\
 - 120 \\
 \hline
 16
 \end{array}$$

Annotations:

- "starting number" points to 136.
- "how many groups so far" points to 120.
- "how many left over" points to 16.

$$4 \times 4 = 16$$

I put together the 30 groups of 4 and the 4 groups of 4 to equal
 $4 \times 34 = 136$