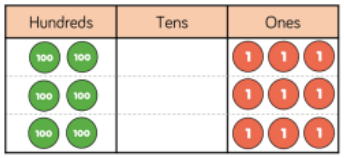
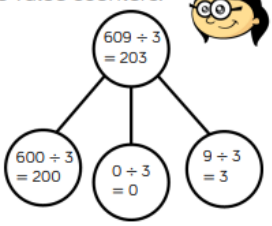
19.1.22

LO – I can divide a 3-digit number by a 1-digit number.

1. Annie is dividing 609 by 3 using place value counters.

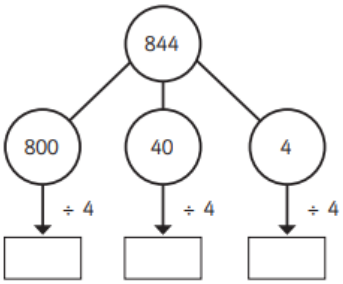




Use Annie's method to calculate the divisions.

906 ÷ 3 884 ÷ 4 884 ÷ 8 489 ÷ 2

2. Eva is working out 844 ÷ 4 using a part-whole model.

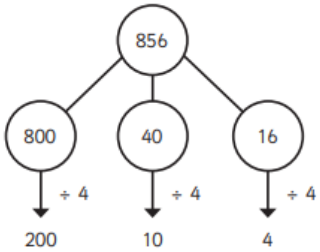


Complete Eva's method. 844 ÷ 4 = ☐

3. A ball of string is 848 cm long.
It is cut into 4 equal pieces.
What is the length of one piece of string?

4. Challenge question 1.

Whitney is using flexible partitioning to divide a 3-digit number.



Could Whitney have partitioned her number another way?

Use Whitney's method to work out these divisions.

a) 585 ÷ 5 **b)** 672 ÷ 6 **c)** 648 ÷ 4 **d)** 847 ÷ 7

5.

Work out the divisions.

a) 258 ÷ 6 **b)** 623 ÷ 5 **c)** 864 ÷ 4 **d)** 824 ÷ 3

6.

Eva has a piece of ribbon.

The ribbon measures 839 cm long.

How much ribbon would be left over if she cuts it into:

a) 4 equal pieces

b) 6 equal pieces

c) 8 equal pieces

Can Eva cut the ribbon into equal pieces with no ribbon left over?

Explain your answer.