

3

- Add numbers mentally, including:
 - a three-digit number and ones
 - a three-digit number and tens
 - a three-digit number and hundreds
- Add numbers with up to three digits, using formal written methods of columnar addition

- Subtract numbers mentally, including:
 - a three-digit number and ones
 - a three-digit number and tens
 - a three-digit number and hundreds
- Subtract a two-digit or 3-digit number from a two-digit or 3 digit number using a formal written method

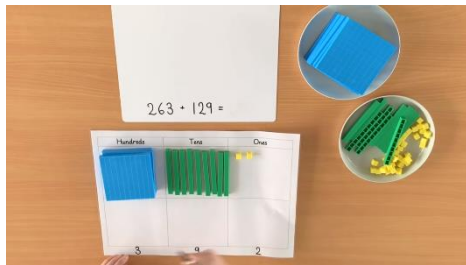
- Recall and use multiplication facts for the 3, 4 and 8 multiplication tables.
- Multiply using multiplication tables that they know, including for two-digit numbers times one-digit numbers, using efficient written methods- 'partitioning method'

- Recall and use division facts for the 3, 4 and 8 multiplication tables.
- Divide using known multiplication tables, including for two-digit numbers divided by one-digit numbers, using mental methods, progressing to efficient written methods

Addition of numbers with up to three digits

$$263 + 129 = 392$$

(Dienes)



(Place value counters)



Refer to the calculation policy for progression steps.

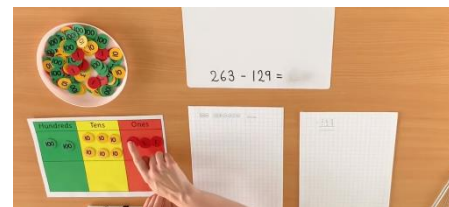
Subtraction of numbers with up to three digits

$$263 - 129 = 134$$

(Dienes)



(Place value counters)

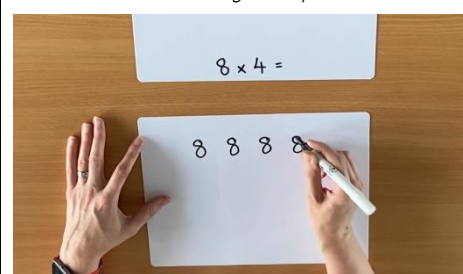


Refer to the calculation policy for progression steps.

Recall and use multiplication facts for the 3, 4 and 8 multiplication tables.

$$8 \times 4 = 32$$

(Counters – one to many correspondence)



Multiplication of a two-digit number by a one-digit number.

$$13 \times 4 = 52$$

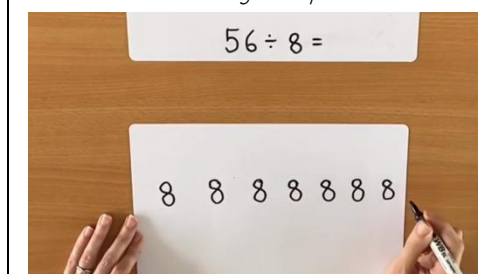
(Dienes)



Recall and use division facts for the 3, 4 and 8 multiplication tables.

$$56 \div 8 = 7$$

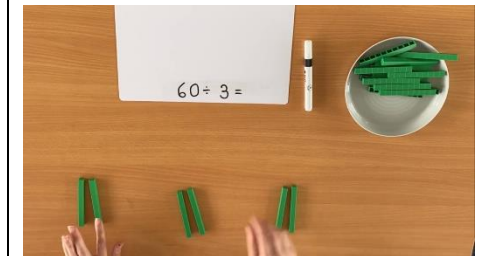
(Counters – one to many correspondence)



Division of a two-digit number by a one-digit number, using known multiplication tables.

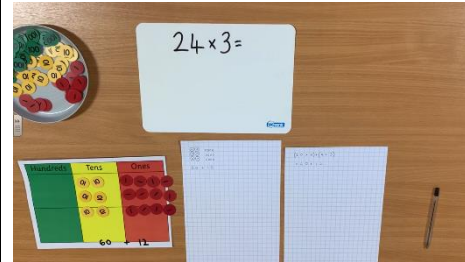
$$60 \div 3 = 20$$

(Dienes)

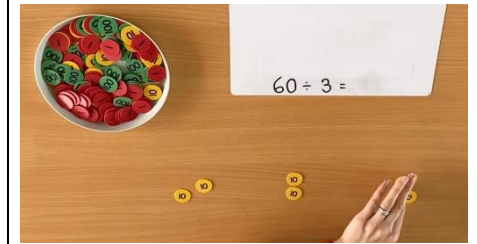


$$24 \times 3 = 72$$

(Place value counters)



(Place value counters)



Dividing a two-digit numbers by one-digit numbers.

$$54 \div 3 = 18$$

(Numicon)

