

$$2,000 \div 4 =$$

$$4,000 \div 4 =$$

$$6,000 \div 4 =$$

$$8,000 \div 4 =$$

$$2,000 \div 8 =$$

$$4,000 \div 8 =$$

$$6,000 \div 8 =$$

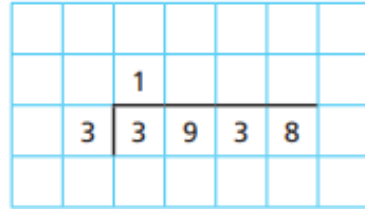
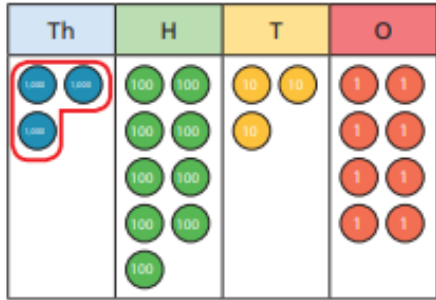
$$8,000 \div 8 =$$

RECALL



a) Circle the groups of 3 to help complete the sentences and calculation.

The first step has been done for you.



There is group of 3 thousands.

There are groups of 3 hundreds.


There is group of 3 tens.

There are groups of 3 ones.

There are ones left over.

$3,938 \div 3 =$ remainder

GUIDED
PRACTICE



LO: Dividing with remainders (dividing number less than 5)

Some will find more multiple answers when given certain criteria.

Some will order numbers based on their remainders.

Most will answer word problems.

All understand why we have remainders.

LEARNING HABIT RESILIENCE. |





$$40 \div 4 =$$

$$41 \div 4 =$$

$$42 \div 4 =$$

$$43 \div 4 =$$

$$44 \div 4 =$$



$$333 \div 3 =$$

$$334 \div 3 =$$

$$335 \div 3 =$$

$$336 \div 3 =$$

$$337 \div 3 =$$



Louis thinks $9,908 \div 3 = 3,302$ remainder 5.

Without working the answer out how do you know Louis is wrong?

INTELLIGENT
PRACTICE.



Dive deeper 1

Muffins are packed in trays of 6 in a factory. In one day, the factory makes 5,623 muffins. How many trays do they need? How many trays will be full? Why are your answers different?

Bags of crisps are put into multipacks of 6. The multipacks are then packed into boxes of 8. Yesterday, 6,500 bags of crisps were packed. How many boxes of crisps were packed?

Dive deeper 2

Write the calculations in the correct column of the table.

$$5,066 \div 4$$

$$9,513 \div 4$$

$$1,234 \div 4$$

$$6,562 \div 4$$

$$6,563 \div 4$$

$$9,515 \div 4$$

Remainder of 1	Remainder of 2	Remainder of 3	Remainder of 4

Dive deeper 3

I am thinking of a 3-digit number.

When it is divided by 9, the remainder is 3

When it is divided by 2, the remainder is 1

When it is divided by 5, the remainder is 4

What is my number?

There are 10 possible answers. Can you find them all?

Dive deeper 1

Muffins are packed in trays of 6 in a factory. In one day, the factory makes 5,623 muffins. How many trays do they need? How many trays will be full? Why are your answers different?

There will need 938 trays
There will be 937 full trays. There is a difference because when you do the calculation you are left with remainders

Bags of crisps are put into multipacks of 6
The multipacks are then packed into boxes of 8
Yesterday, 6,500 bags of crisps were packed.
How many boxes of crisps were packed?

812

Dive deeper 2

Write the calculations in the correct column of the table.

$5,066 \div 4$

$9,513 \div 4$

$1,234 \div 4$

$6,562 \div 4$

$6,563 \div 4$

$9,515 \div 4$

Remainder of 1	Remainder of 2	Remainder of 3	Remainder of 4

Dive deeper 3

I am thinking of a 3-digit number.

When it is divided by 9, the remainder is 3

When it is divided by 2, the remainder is 1

When it is divided by 5, the remainder is 4

What is my number?

There are 10 possible answers.
Can you find them all?

- 129
- 309
- 489
- 669
- 849
- 219
- 399
- 579
- 759
- 939

DIVE DEEPER ANSWERS

