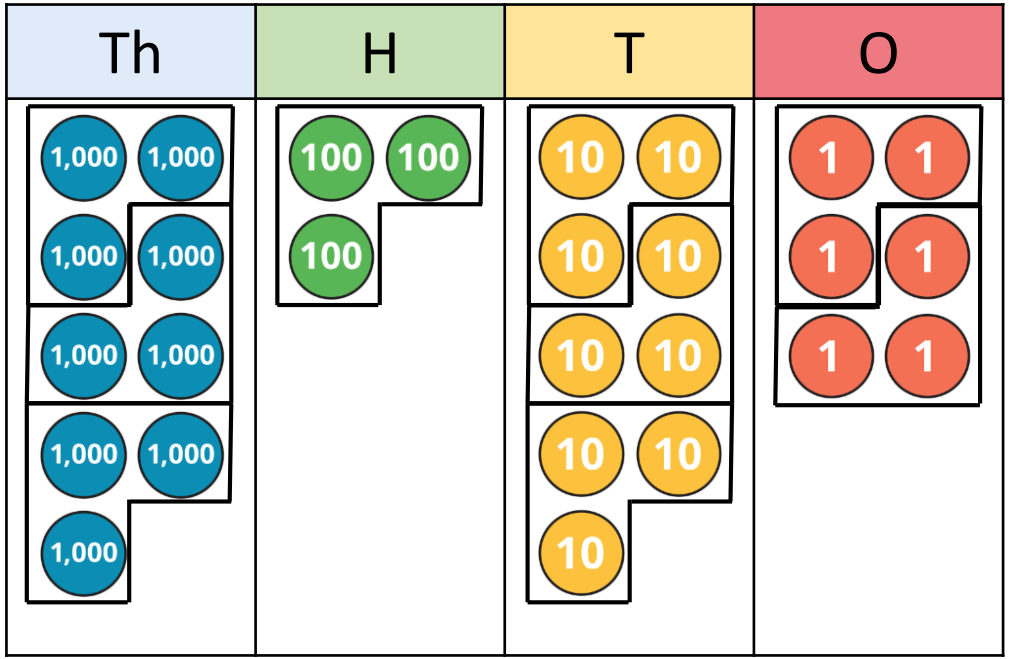
| | | |
|---|---|---|
| $7^2$ | $5b - 2 = 13$<br><br>B= | 678 x 4 = |
| 36470 ÷ 5 = | $5\frac{1}{3} - \frac{2}{3}$ = | 34136 + 324 + 16 = |
| 6 x 7 x 2 = | 2133.3 x 10 = | 547 x 0 = |

# DIVIDE A 4-DIGIT NUMBER BY A 1-DIGIT NUMBER

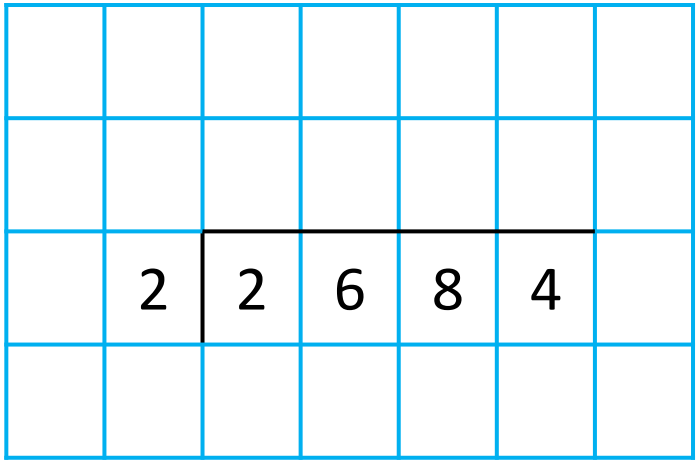
White Rose MATHS




| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | 3 | 9 | 3 | 9 | 6 | |
| | | | | | | |

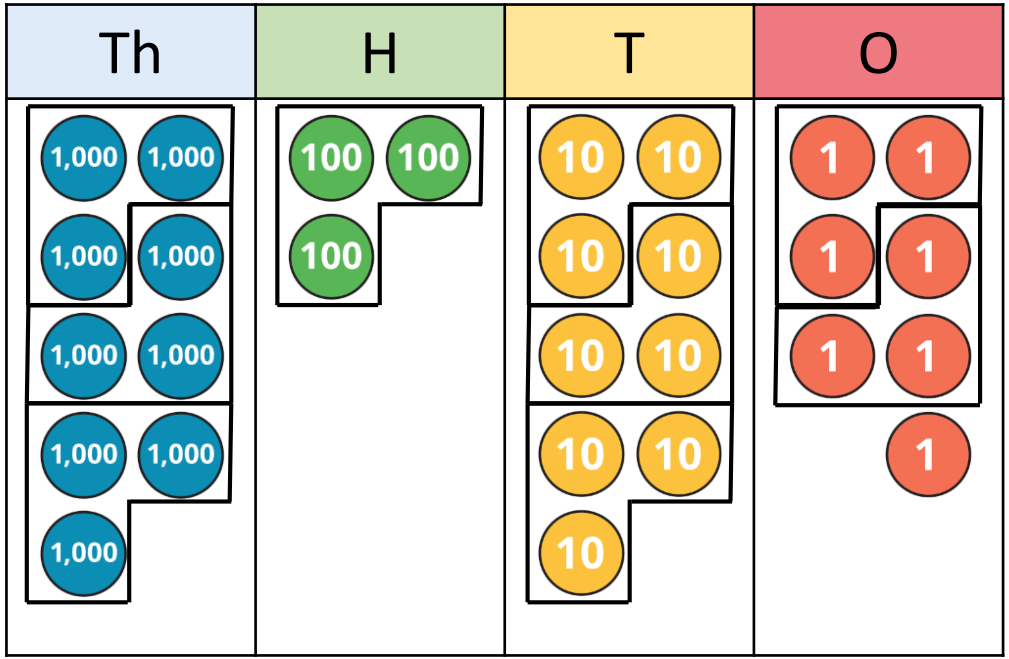
$9{,}396 \div 3 =$

| Th | H | T | O |
| --- | --- | --- | --- |
| 1,000 1,000 | 100 100<br>100 100<br>100 100 | 10 10<br>10 10<br>10 10<br>10 10 | 1 1<br>1 1 |




$2{,}684 \div 2 =$

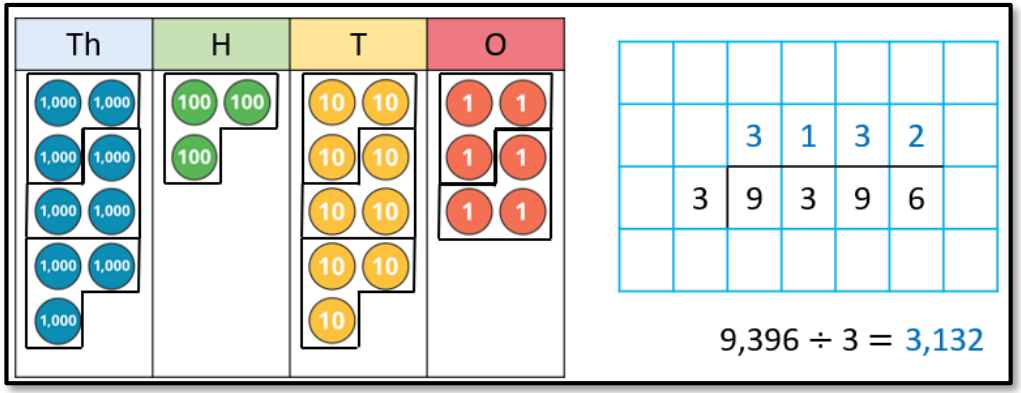
## Your turn

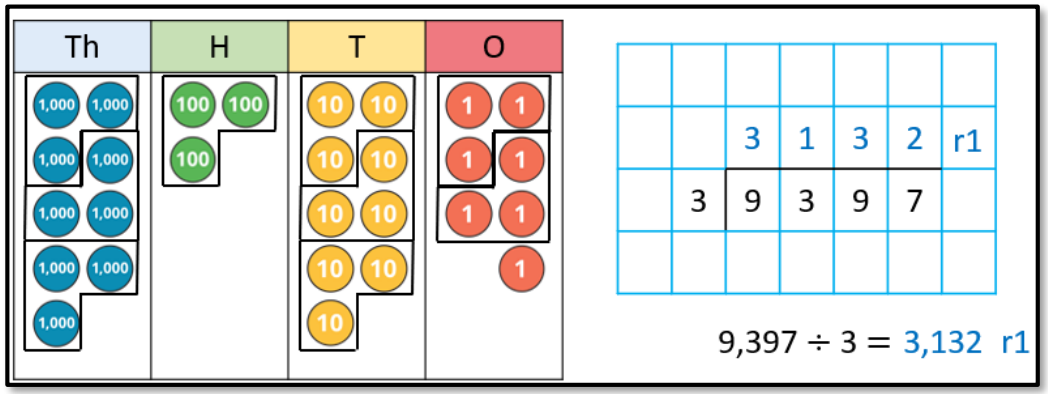



| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | 3 | 9 | 3 | 9 | 7 | |
| | | | | | | |

$9{,}397 \div 3 =$

# What is the same and what is different about the divisions?



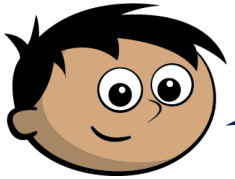
Tiny is working out 4,272 ÷ 8

This cannot be done because 8 is larger than all of the digits in the number.

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| | 8 | 4 | 2 | 7 | 2 | |
| | | | | | | |

Do you agree with Tiny?

Amir is working out 6,348 ÷ 4



The answer is 1,586 r4

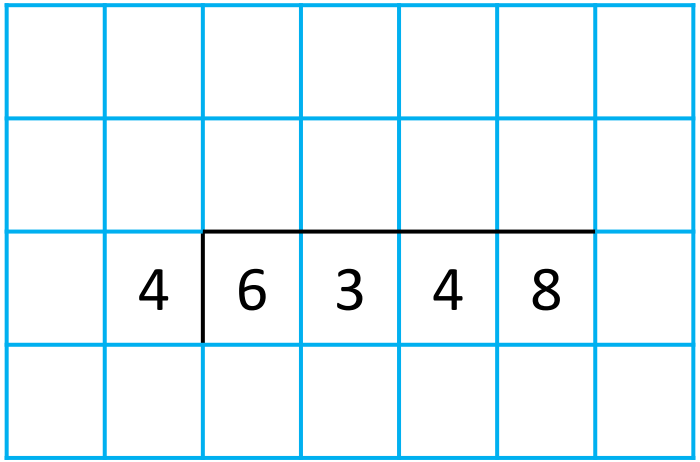
What mistake has Amir made?

Work out the correct answer.

## Have a go

Work out the correct answer.

$6{,}348 \div 4$



Complete the sentences.

When dividing by 2, the greatest possible remainder is ☐

When dividing by 5, the greatest possible remainder is ☐

When dividing by 6, the greatest possible remainder is ☐

When dividing by 8, the greatest possible remainder is ☐

Which calculations will have a remainder?

| | |
|---|---|
| 3,628 ÷ 3 | 8,004 ÷ 2 |
| 2,061 ÷ 4 | 1,944 ÷ 5 |
| 9,981 ÷ 9 | 5,123 ÷ 8 |

Write the calculations in the table.

1,375 ÷ 5 3,650 ÷ 7

8,217 ÷ 4 2,438 ÷ 6

| No remainder | Remainder of 1 |
|---|---|
| | |
| **Remainder of 2** | **Remainder of 3** |
| | |

2,865 people attend a show at a theatre.

Each row of seats can sit 9 people.

How many rows will be used?