**1)** Complete each calculation.



357 | 
--- | ---
 | 4

184 — 5



**2)** Choose two of the models above and write the number sentences each represents.

535 | 
--- | ---
533 | 2

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?

David does the same and writes a calculation with an answer of 424. Ffion says that David must have made a mistake. Who is correct? Explain how you know.

**2)** David has written this part of a calculation. Find three different ways he could complete it.

$$
\begin{array}{r}
5\ 3\ \square \\
+\quad\quad 2 \\
\hline
5\ 3\ \square
\end{array}
$$

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

**1)** Complete each calculation.



184 ⃝ 5

| 357 | |
|-----|---|
| | 4 |



- ▯ =

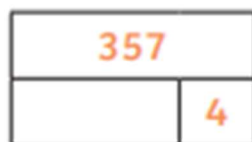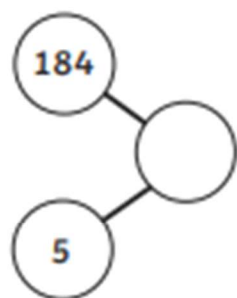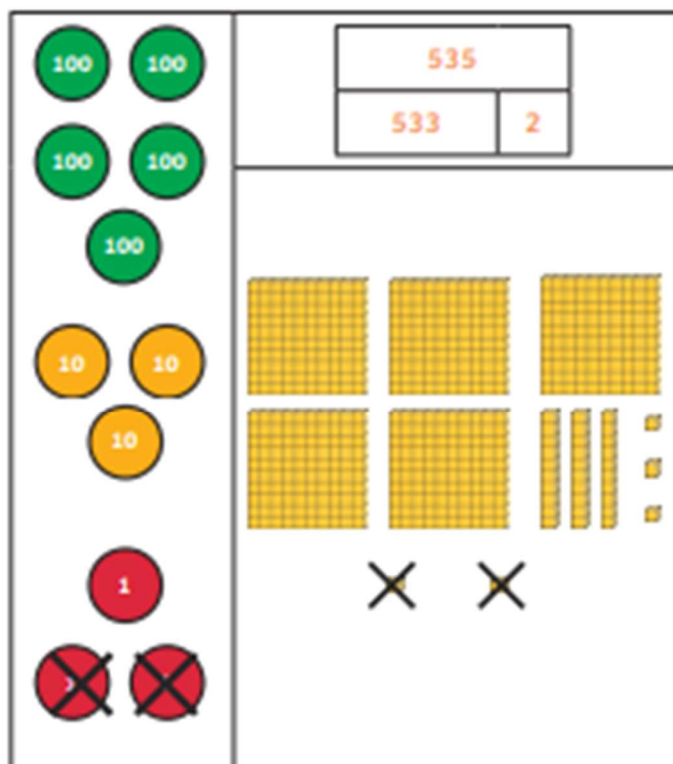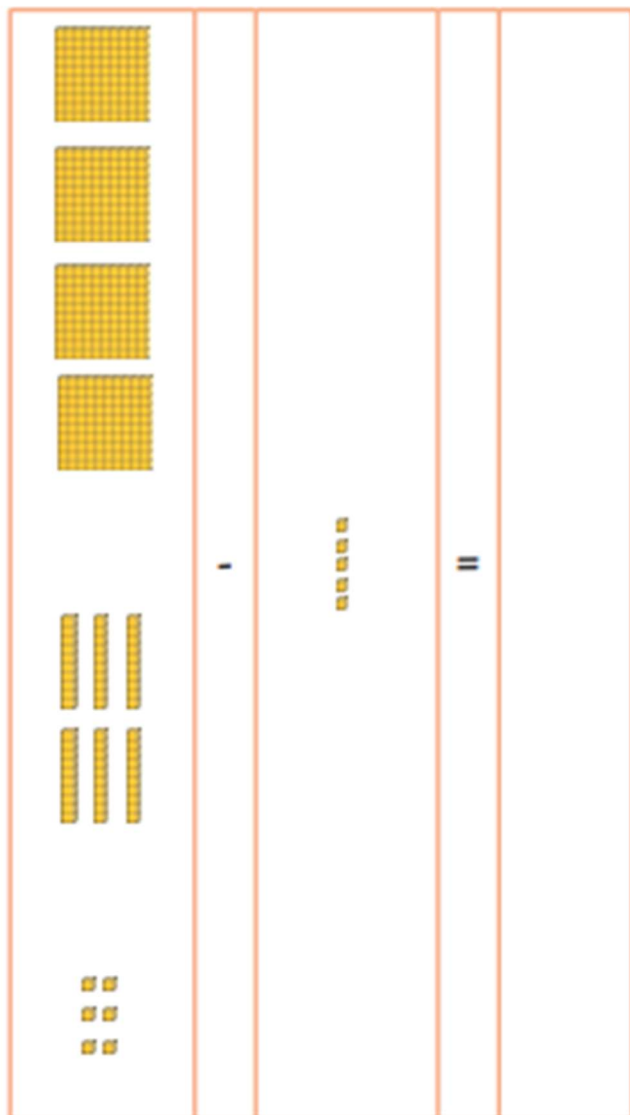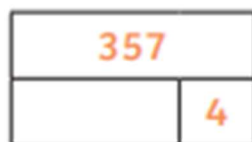**2)** Choose two of the models above and write the number sentences each represents.

---

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
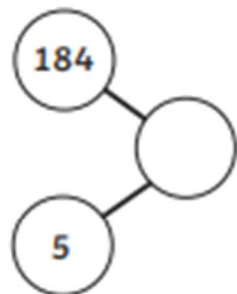
David does the same and writes a calculation with an answer of 424. Ffion says that David must have made a mistake. Who is correct? Explain how you know.

**2)** David has written this part of a calculation. Find three different ways he could complete it.

```
    5   3   ▯
 +          2
 ─────────────
    5   3   ▯
```
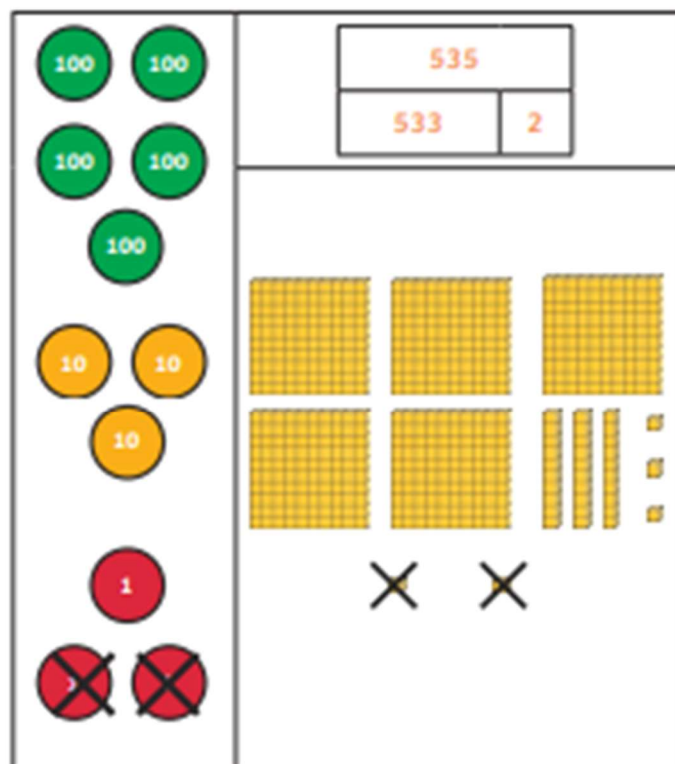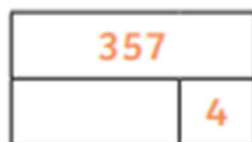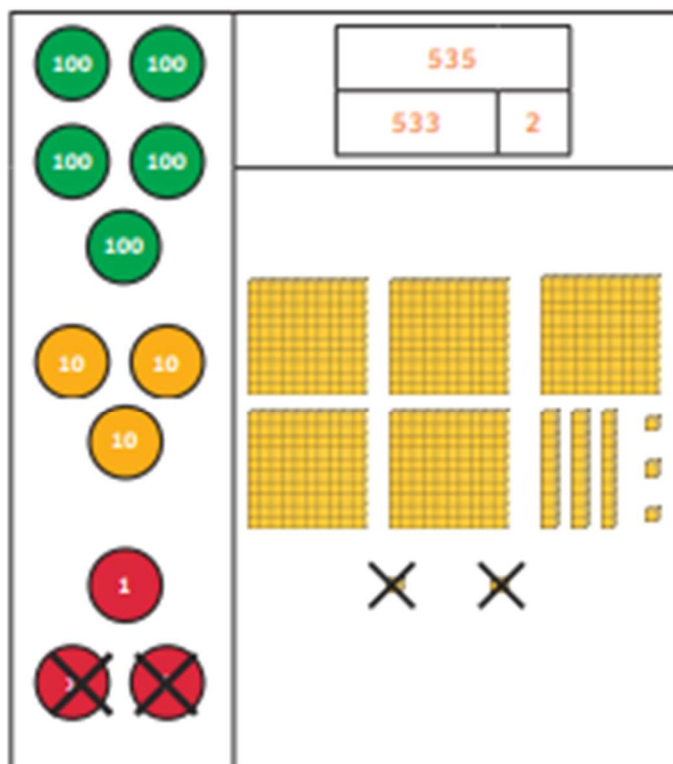
**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

**1)** Complete each calculation.



184 / 5

| 357 | |
|-----|---|
| | 4 |



**2)** Choose two of the models above and write the number sentences each represents.

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
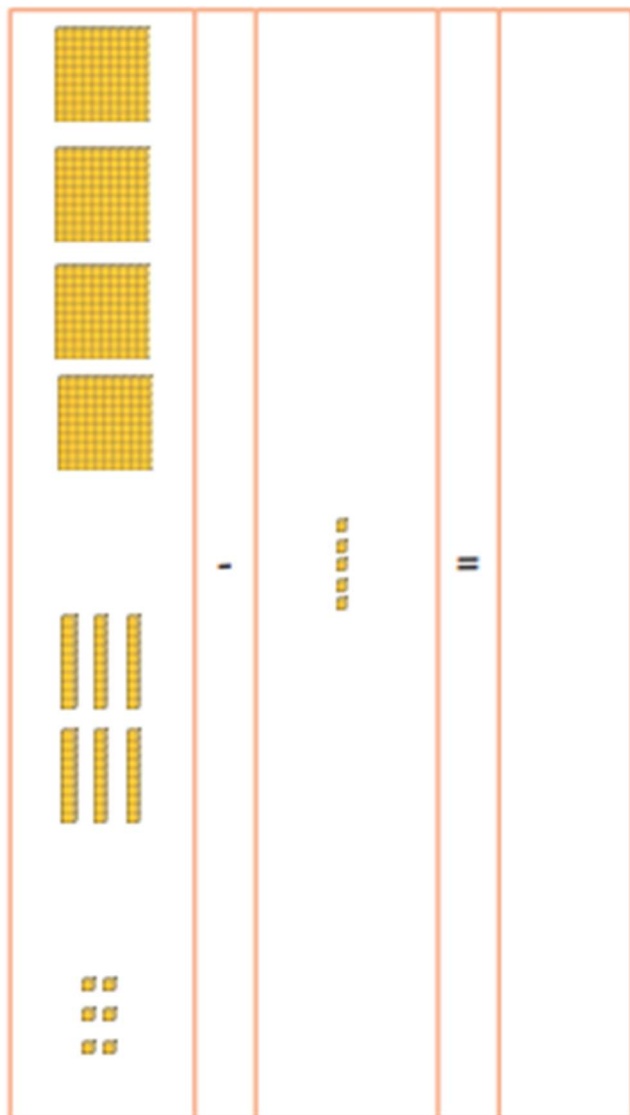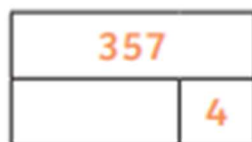
David does the same and writes a calculation with an answer of 424. Ffion says that David must have made a mistake. Who is correct? Explain how you know.

**2)** David has written this part of a calculation. Find three different ways he could complete it.

```
    5  3  □
  +       2
  ─────────
    5  3  □
```

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

### Left panel

**1) Complete each calculation.**



100 100 100
10 10 10
10 1 1    +    1 1 1 1 1    =

184 — ( ) — 5

| 357 | |
|---|---|
| | 4 |



( blocks )  -  ( tens )  =

**2) Choose two of the models above and write the number sentences each represents.**

### Right panel

**1) Which representation is the odd one out and why?**



100 100
100 100
100
10 10
10
1
⊗ ⊗

| 535 | |
|---|---|
| 533 | 2 |

**1) Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?**
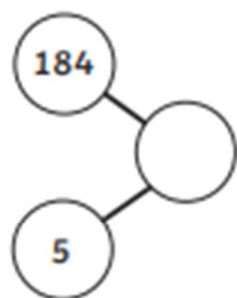
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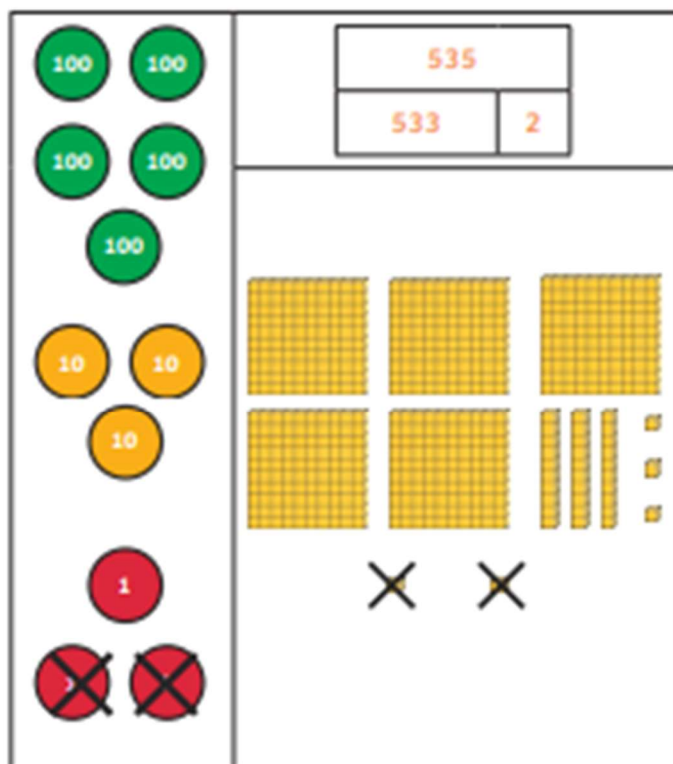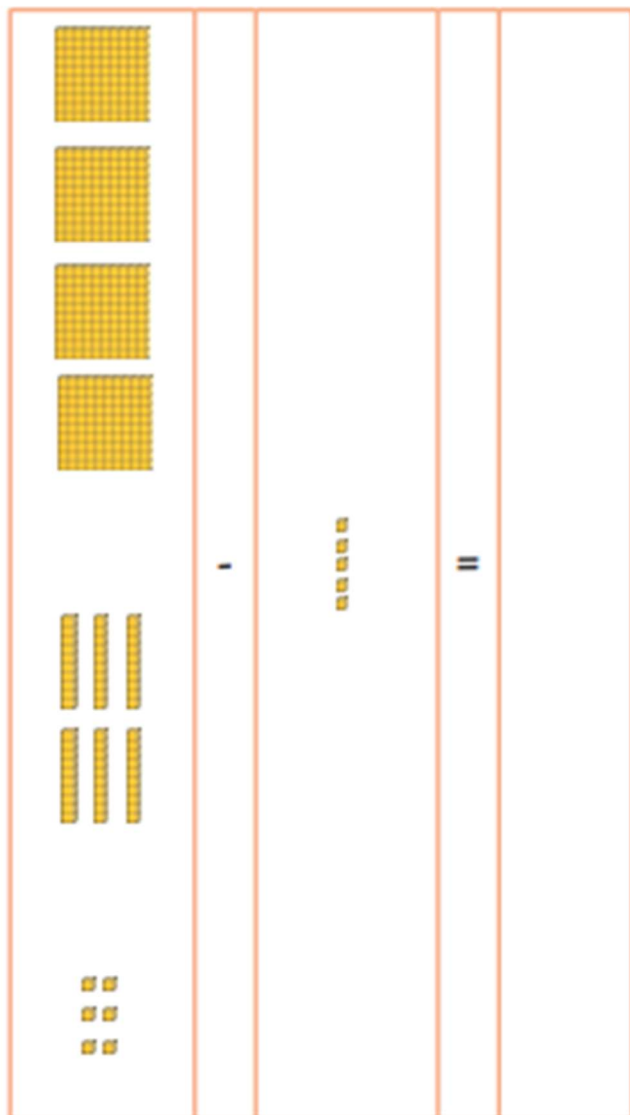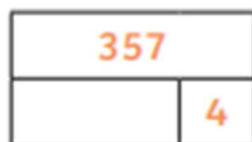
```
    5  3  □
 +        2
 ─────────
    5  3  □
```

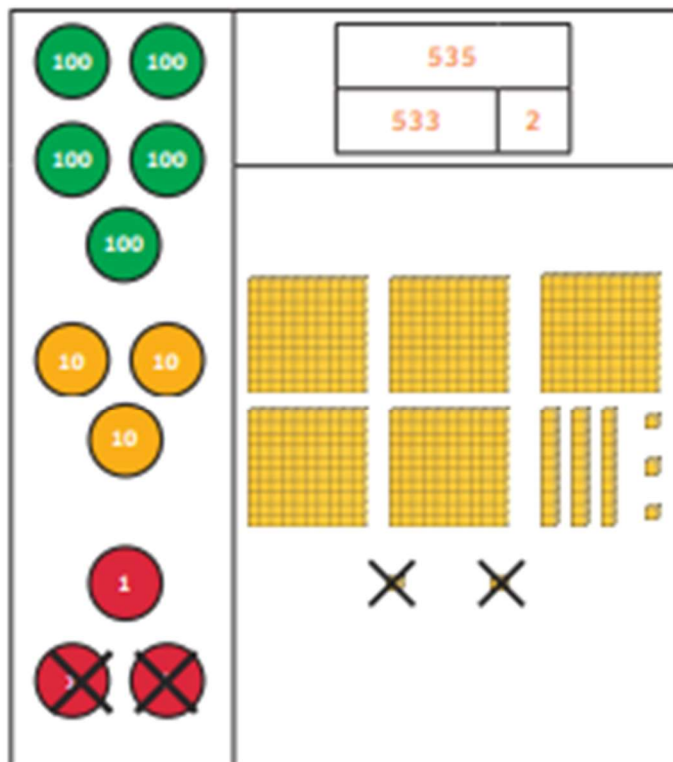**3) Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.**

## Left column

**1)** Complete each calculation.



+  =

184 — ( ) — 5

| 357 | |
|---|---|
| | 4 |

 −  =

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|---|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
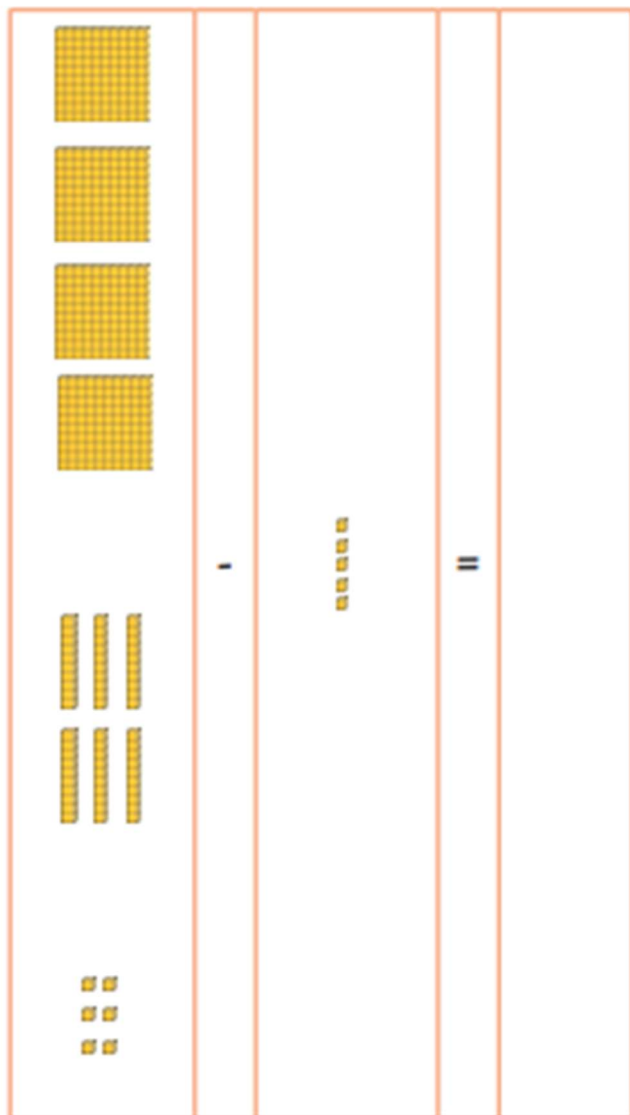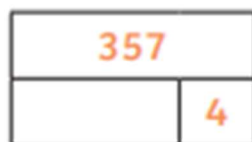
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**2)** David has written this part of a calculation. Find three different ways he could complete it.

```
  5  3  □
+       2
─────────
  5  3  □
```

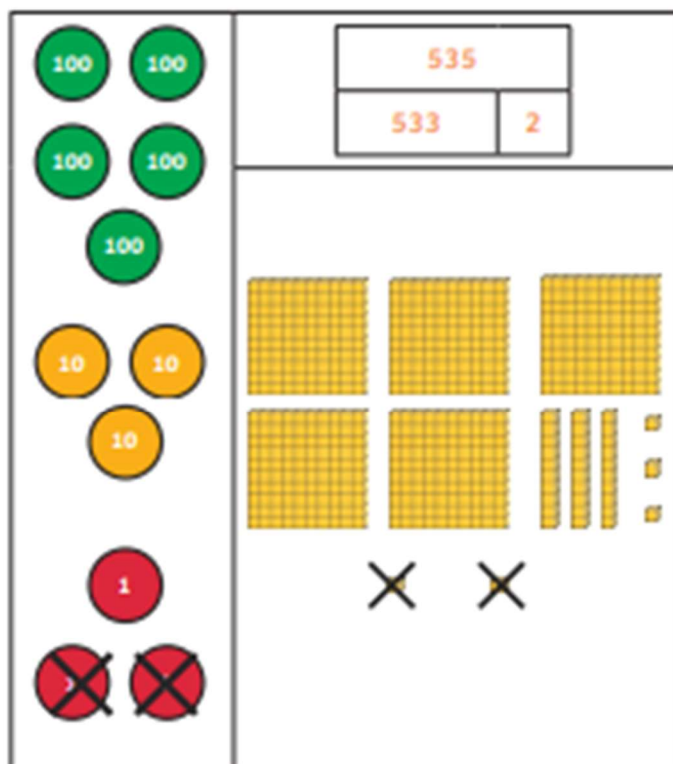**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left column

**1)** Complete each calculation.



[place value counters: 100 100 100 / 10 10 10 / 10 1 1] **+** [counters: 1 1 1 / 1 1] **=**

184 — ( ) — 5 (number bond)

| 357 | |
|-----|---|
| | 4 |

[base ten blocks model]

-  :  =

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
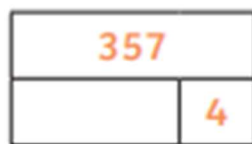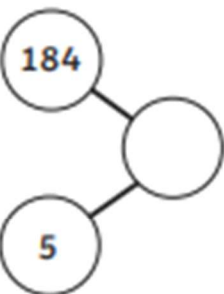
David does the same and writes a calculation with an answer of 424. Ffion says that David must have made a mistake. Who is correct? Explain how you know.

**2)** David has written this part of a calculation. Find three different ways he could complete it.

```
    5   3  □
+           2
─────────────
    5   3  □
```

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left Panel

**1)** Complete each calculation.



184 — ○ — 5 (part-whole model)

| 357 | |
|---|---|
| | 4 |



(base ten blocks) − (base ten blocks) =

**2)** Choose two of the models above and write the number sentences each represents.

## Right Panel

**1)** Which representation is the odd one out and why?



| 535 | |
|---|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
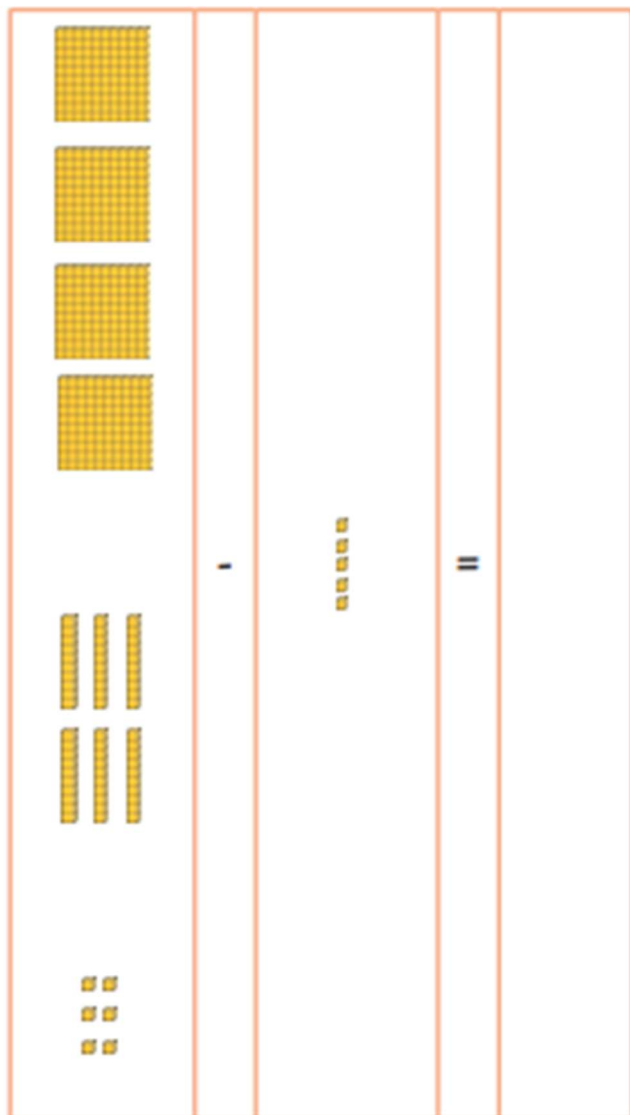
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**2)** David has written this part of a calculation. Find three different ways he could complete it.

$$5 \quad 3 \quad \square$$
$$+ \qquad\quad 2$$
$$\overline{5 \quad 3 \quad \square}$$

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left column

**1)** Complete each calculation.



$$+ \quad = $$

184 / 5 (number bond, with empty circle)

| 357 | |
|-----|---|
| | 4 |



$$- \quad = $$

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|------|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
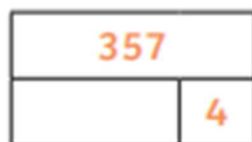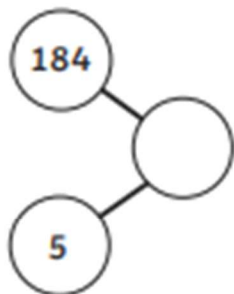
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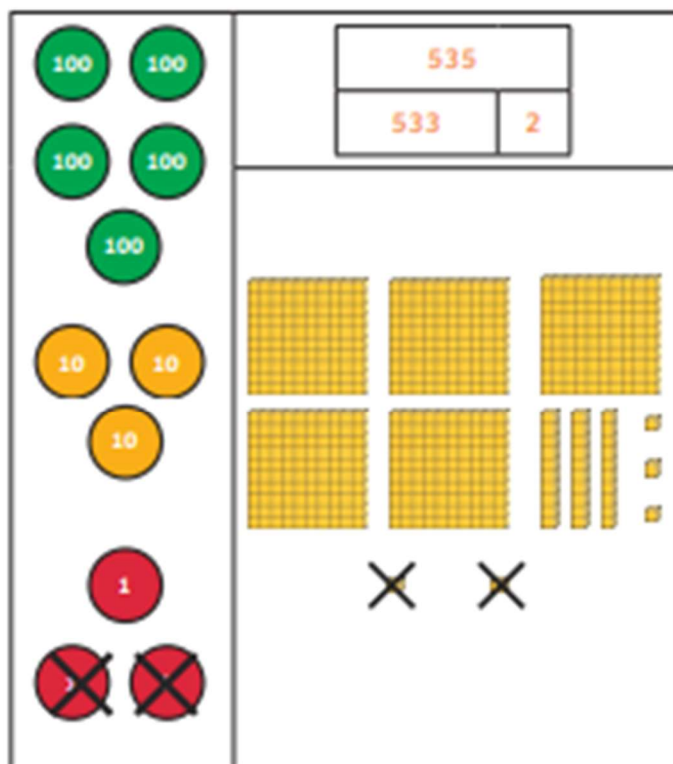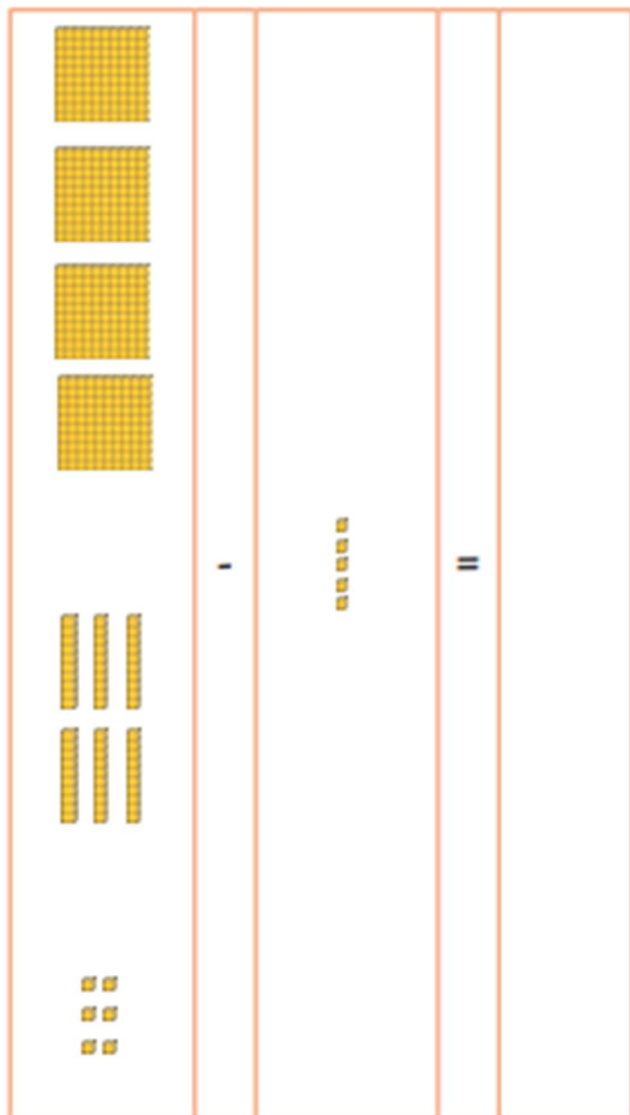
```
  5  3  □
+       2
─────────
  5  3  □
```

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left column

**1)** Complete each calculation.



```
[100 100 100]
[10  10  10]   +   [1 1 1]   =
[10  1   1]        [1 1]
```

```
    184
      \
       ( )
      /
     5
```

| 357 | |
|-----|---|
| | 4 |



| | | |
|---|---|---|
| (base-ten blocks) | - | (tens) = |

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
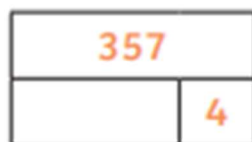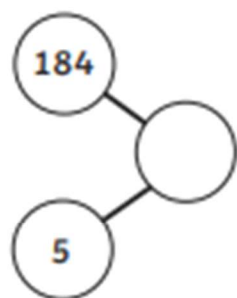
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```
    5   3   □
+           2
─────────────
    5   3   □
```

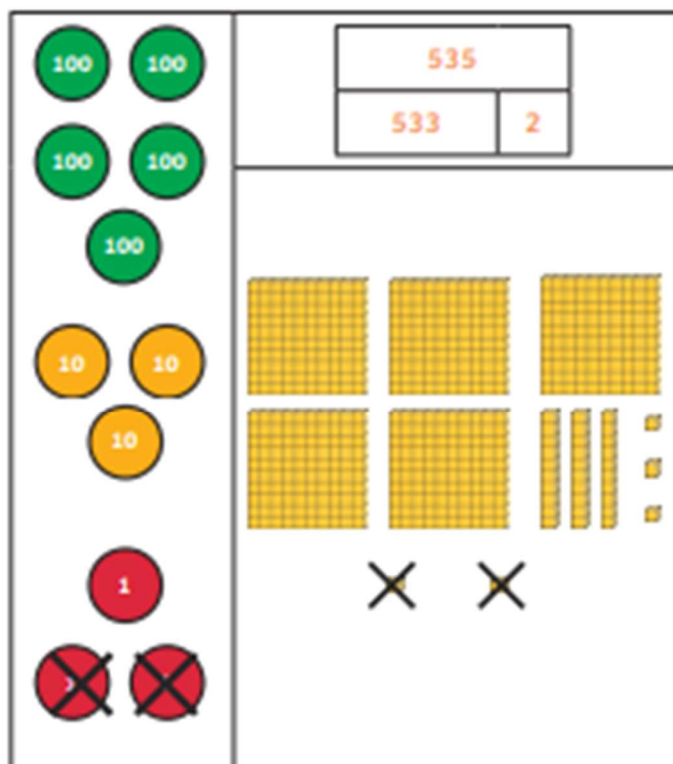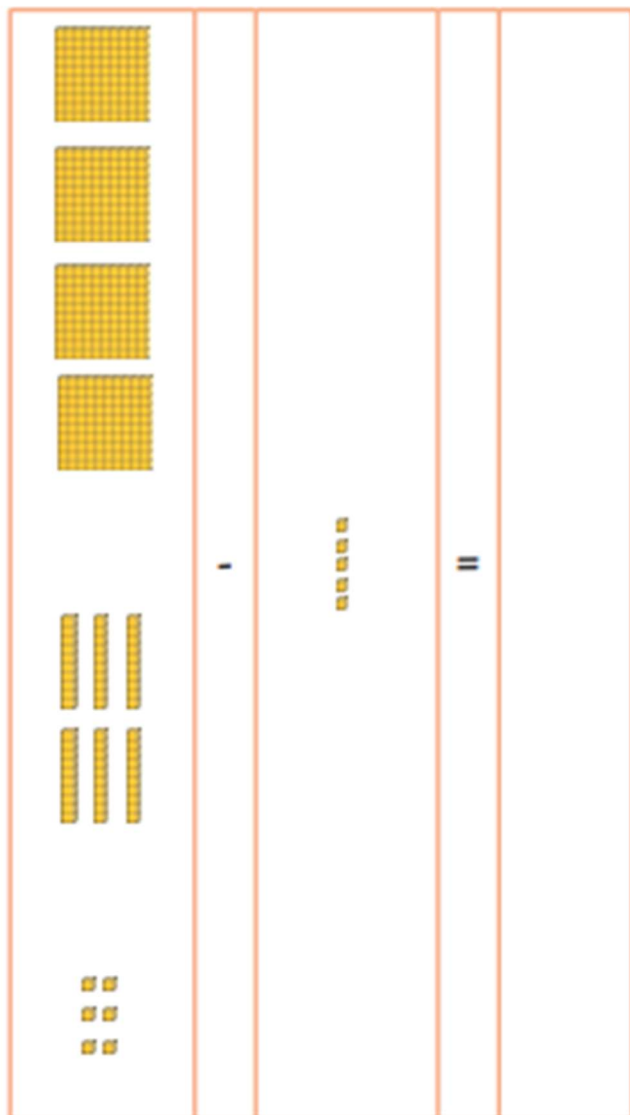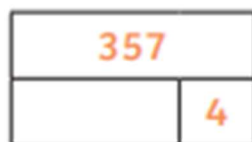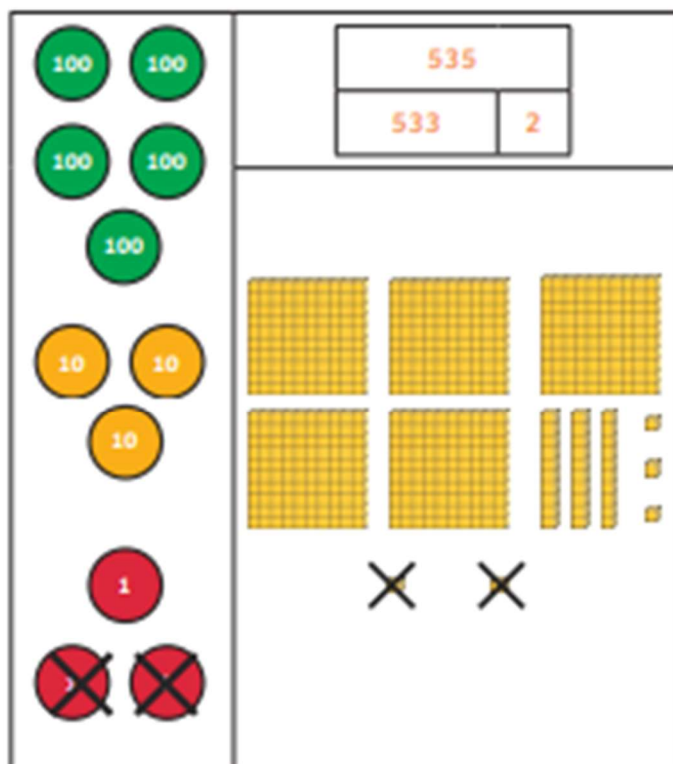**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left column

**1)** Complete each calculation.



+ [addition of place value counters]

= [blank]

184 ─ ○
   |
   5

| 357 | |
|-----|-----|
| | 4 |

[Base ten blocks model]

_ [blank]     : [ones] ┊ = [blank]

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|-----|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?
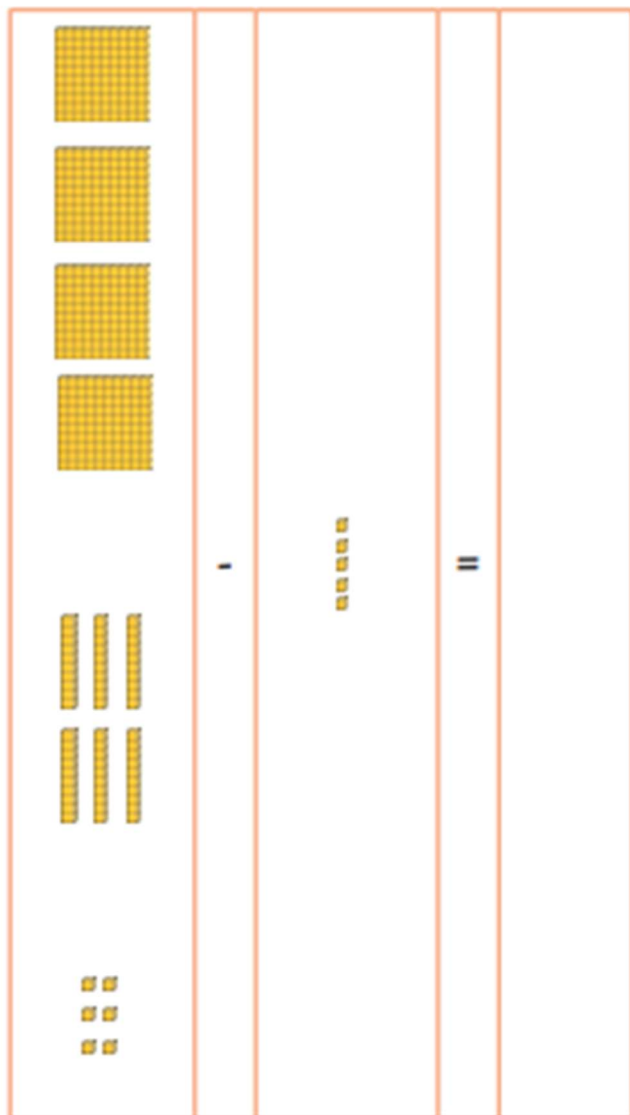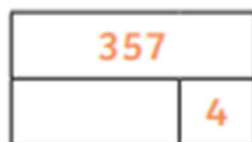
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```
    5  3  □
 +        2
 ─────────
    5  3  □
```

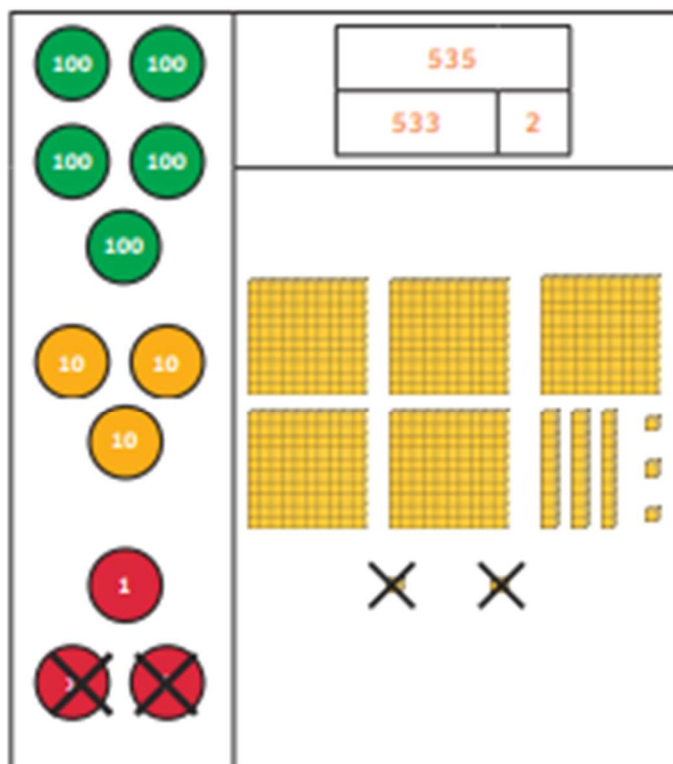**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.

## Left column

**1)** Complete each calculation.



+ 

= 

184 — ( ) — 5

| 357 | |
|-----|---|
| | 4 |



- ⋮ =

**2)** Choose two of the models above and write the number sentences each represents.

## Right column

**1)** Which representation is the odd one out and why?



| 535 | |
|-----|---|
| 533 | 2 |

**1)** Ffion is thinking of an odd number between 420 and 430. If she adds or subtracts an even number of ones but the tens or hundreds do not change, what are the possible calculations Ffion could have created?

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```
    5   3   □
+           2
─────────────
    5   3   □
```

**3)** Write a missing number column addition or subtraction for a friend to solve where the hundreds and tens do not change.