How many hearts are there in total?
Complete the multiplication fact.

$\square$

2. Colour all the multiples of 9 on a hundred square.

What pattern do you notice?
Use the hundred square to work out these calculations.

$$
72 \div 9 \quad 27 \div 9
$$

(3) Complete the calculations.
a) $3 \times 9=$ $\square$
e) $11 \times 9=$
i) $9 \times$ $\square$ $=72$
b)

f) $10 \times 9=$
c) $9 \times 4=$
g) $6 \times 9=$
j) $\square \div 9=11$
d) $\square$ $\div 9=1$
h) $9 \times$ $\square$
k) $\square$ $\times 9=45$

4
Complete the number tracks.

| 0 | 9 | 18 |  |  |  | 54 |  |
| :---: | :---: | :---: | :--- | :--- | :--- | :--- | :--- | | 108 | 99 |  |  | 72 |  |  | 45 | 36 |
| :---: | :---: | :---: | :--- | :--- | :--- | :--- | :--- | :--- |

5. These numbers are all multiples of 9

a) Show that the sum of the digits of each number is the same.
b) These numbers are also multiples of 9


What is the sum of the digits of each number?
c)


What do you think Whitney has noticed?
d) 7,59_ is a multiple of 9

What is the missing digit?

4
Complete the number tracks.

| 0 | 9 | 18 |  |  |  | 54 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | | 108 | 99 |  |  | 72 |  |  | 45 | 36 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

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What is the missing digit?

Jack is making arrays.

a) Use the arrays to work out the multiplications.
$1 \times 10$
$1 \times 9$
$2 \times 10$
$2 \times 9$
$3 \times 10$
$3 \times 9$
$4 \times 10$
$4 \times 9$
b) Write steps for a partner to explain how you can use the 10 timestable to multiply by 9
c) Use your steps to work out these multiplications.
$19 \times 9$
$72 \times 9$

