Use the 100 square to complete these calculations.
$72 \div 9=8$
$27 \div 9=$ $\square$
(3) Complete the calculations.
a) $3 \times 9=27$
g) $6 \times 9=54$
b) $108 \div 9=12$
h) $9 \times 2=18$
c) $9 \times 4=$ $\square$ i) $9 \times 8=72$
d) $9 \div 9=1$
j) $99 \div 9=11$
e) $11 \times 9=99$
k) $5 \times 9=45$
f) $10 \times 9=90$

Complete the number tracks.

| 0 | 9 | 18 | 27 | 36 | 45 | 54 | 63 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| 108 | 99 | 90 | 81 | 72 | 63 | 54 | 45 | 36 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |These numbers are all multiples of 9

a) Show that the sum of the digits of each number is the same.
$4+5=9 \quad 5+4=9 \quad 1+8=9 \quad 1+0+8=9$
b) These numbers are also multiples of 9


What is the sum of the digits of each number?
$1+9+8=18 \quad 6+5+7=18 \quad 8+9+1=18 \quad 9+9+9=27$
c)


What do you think Whitney has noticed?
d) 7,59_ is a multiple of 9 What is the missing digit? $\square$

Jack is making arrays

a) Use the arrays to complete the multiplications.

b) Write steps for a partner to explain how you can use the 10 times-table to multiply by 9

c) Use your steps to work out these multiplications.

$$
19 \times 9=171 \quad 72 \times 9=648
$$

