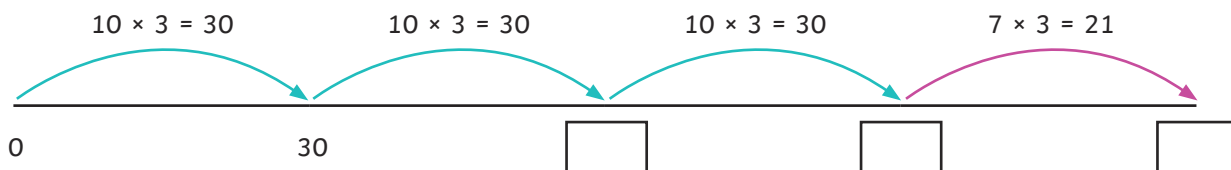**1)** Look at the number line that has been drawn to solve the calculation 37 × 3.

Complete the number line and use the same strategy to solve the other calculations.

a) **37 × 3 =** _____

10 × 3 = 30   10 × 3 = 30   10 × 3 = 30   7 × 3 = 21

0   30   [ ]   [ ]   [ ]

b) **72 × 6 =** _____

_____

c) **48 × 5 =** _____

_____

2) There are 7 fields on the farm.

Each field contains 36 sheep and 22 cows.

Solve the problems below using number lines.

a) How many sheep are there? _____

_____

b) How many cows are there? _____

_____

c) How many animals are there altogether? _____

3) Use the models that are complete to help you fill in the missing parts of this table.

Calculation	Place Value Counters		Part – Whole Model
	Tens	Ones	
	🔟🔟🔟🔟 1️⃣1️⃣1️⃣ 🔟🔟🔟🔟 1️⃣1️⃣1️⃣ 🔟🔟🔟🔟 1️⃣1️⃣1️⃣		43 × 3 = ☐ — 40 × 3 = ☐ 3 × 3 = ☐
	Tens	Ones	
	🔟🔟🔟🔟🔟🔟 1️⃣ 🔟🔟🔟🔟🔟🔟 1️⃣ 🔟🔟🔟🔟🔟🔟 1️⃣ 🔟🔟🔟🔟🔟🔟 1️⃣ 🔟🔟🔟🔟🔟🔟 1️⃣		☐ × ☐ = ☐ — ☐ × ☐ = ☐ ☐ × ☐ = ☐
87 × 2 = ☐	Tens	Ones	(blank part-whole model)

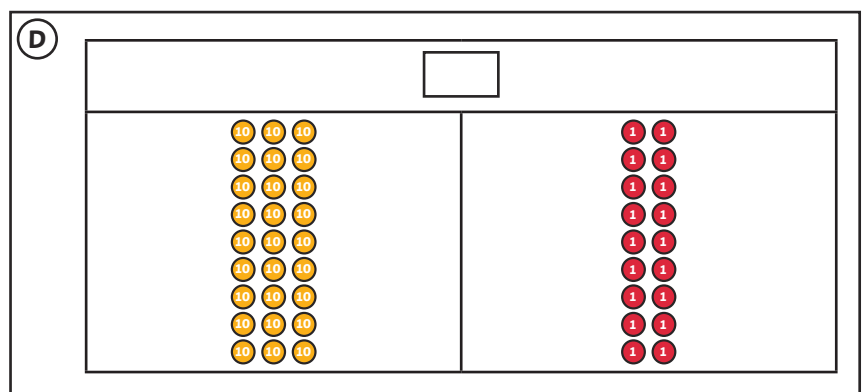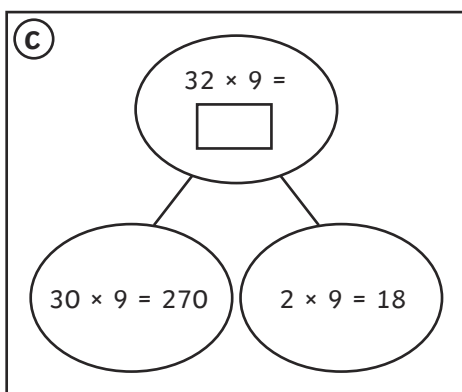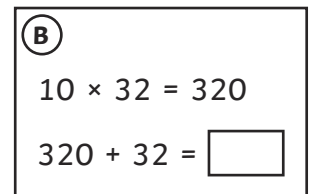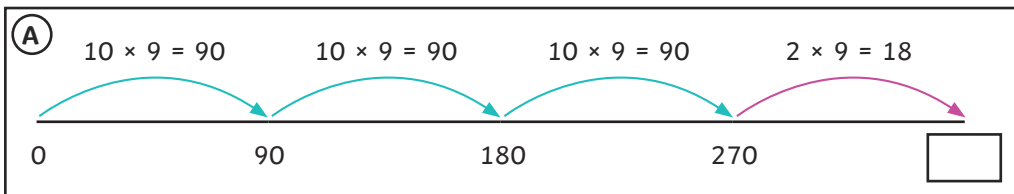**1)** Look at the calculations in the table and decide if you would use a written method or a mental method to solve them. Explain why.

Calculation	Mental or Written Method	Explanation
29 × 4 = [ ]	mental / written	
64 × 7 = [ ]	mental / written	
97 × 5 = [ ]	mental / written	

2) Which method is incorrect? Explain why.

32 × 9 = [ ]

A   10 × 9 = 90   10 × 9 = 90   10 × 9 = 90   2 × 9 = 18

0   90   180   270   [ ]

B
10 × 32 = 320

320 + 32 = [ ]

C
32 × 9 = [ ]

30 × 9 = 270   2 × 9 = 18

D
[ ]

_____

_____

_____

1) Use your knowledge of written multiplication strategies to solve the riddle.

I'm thinking of a number.

I partition it.

Next, I multiply the tens part of my number by a single digit number and it makes 320.

Then I multiply the ones part of my number by the same single digit number and add it to 320.

My final total is 392.

What was my original number?

_____

_____

_____

_____

2) Solve the problem.

36p

Apples costs 36p each.

28p

Oranges costs 28p each.

Jonah buys some apples and oranges and receives 8p change from a £5 note.

How many apples did he buy? _____

How many oranges did he buy? _____