Maths

Multiply 2-digit numbers by 6 using the partitioning method

Miss Brinkworth

Part A - Use partitioning to solve these questions using the 6 times table

1) $45 \times 6 =$

2) $83 \times 6 =$

3) $\quad \times 6 = 300$

4) $6 \times \quad = 600$

<u>Extension -</u>

Jasmine is doing the calculation 32×6.
She got the answer 1812.

Do you think she is correct? How do you know?

If not...where do you think Jasmine made a mistake?

Part B -

1) Look at the image below, what is the same, what is different?

$25 \times 6 =$

H	T	O
100	10 10 10 10 10	

$26 \times 6 =$

H	T	O
100	10 10 10 10 10	1 1 1 1 1 1

$27 \times 6 =$

H	T	O
100	10 10 10 10 10 10	1 1

2)

Tim is ordering more eggs for the cafe. One box contains six eggs.

If he orders 16 boxes, how many eggs will he have?

Part C- Challenge

Billie is on a bug hunt. In her garden there are a mixture of spiders (with 8 legs) and insects (with 6 legs).
The bugs that she finds have a total of 100 legs altogether.

How many spiders and insects did she find?
How do you know?
Is there more than one answer?