Additional Challenges and Answers

1. Dexter says,

$$4 \times 21 = 2 \times 42$$

Is Dexter correct?

2. **Always, Sometimes, Never?**

A two-digit number multiplied by a one-digit number has a two-digit product.

3. How close can you get to 100? Use each digit card once in the multiplication.

$$\boxed{2} \; \boxed{3} \; \boxed{4}$$

$$\boxed{}\boxed{} \times \boxed{} =$$

4. There are 25 green cubes in a box.
There are 5 times as many blue cubes than green cubes in the box.
How many cubes are there **altogether**?

_____ cubes

1. Dexter says,

$$4 \times 21 = 2 \times 42$$

Is Dexter correct?

True. Both multiplications are equal to 84

Children may explore that one number has halved and the other has doubled.

2. **Always, Sometimes, Never?**

A two-digit number multiplied by a one-digit number has a two-digit product.

Sometimes.

e.g.

$$13 \times 5 = 65$$

$$31 \times 5 = 155$$

3. How close can you get to 100? Use each digit card once in the multiplication.

2 3 4

$$\Box\Box \times \Box =$$

You can get within 8 of 100

$23 \times 4 = 92$ this is the closest answer.

$24 \times 3 = 72$

$32 \times 4 = 128$

$34 \times 2 = 68$

4. There are 25 green cubes in a box.

There are 5 times as many blue cubes than green cubes in the box.

How many cubes are there **altogether**?

_____ 150 cubes