Multiplying and dividing by 9
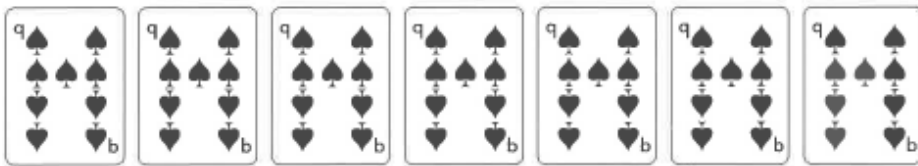
1 a) How many hearts are there in total?
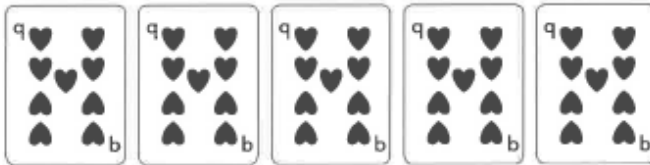
☐ × ☐ = ☐   There are ☐ hearts.

b) How many spades are there in total?

☐ × ☐ = ☐   There are ☐ spades.

2 Circle groups of triangles to show how you can use the array to work out 18 ÷ 9.
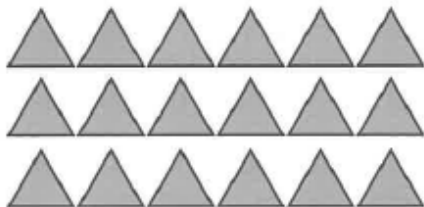
18 ÷ 9 = ☐

_____

_____

_____

Did you use grouping or sharing?

3 Mr Lopez's class are going on a school trip.

The cost for the trip is £9 each.

How many children handed in money today?

⬜ ◯ ⬜ ◯ ⬜

⬜ children handed in money today.

(Mr Lopez)

Today I have collected £72.

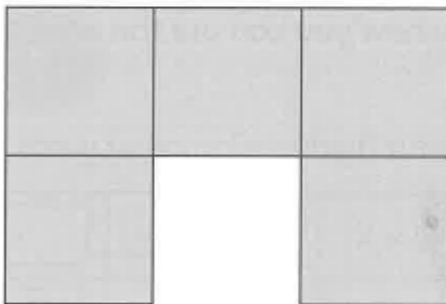4 a) A square has a side 9 cm long.

What is the perimeter of the square?

⬜ × 9 = ⬜

9 cm

The perimeter of the square is ⬜ cm.

b) Five of these squares are put together to make another shape.

What is the perimeter of the new shape?

⬜ × 9 = ⬜

The perimeter of the new shape is ⬜ cm.

Explain your method.

_____

_____

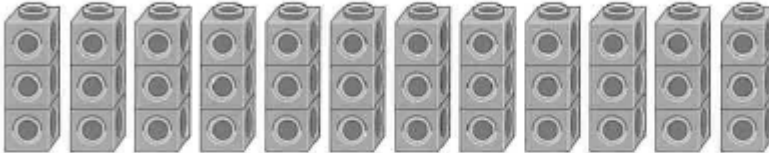**5** Which number does not divide by 9 equally? Circle the answer.

| 36 | 108 | 153 | 209 | 324 | 477 |

6 Rowan makes the following towers of cubes.

CHALLENGE

She now puts the cubes into towers of 9.

How many towers can she make?

_____

_____

Rowan can make [ ] towers of 9 cubes.

Reflect

The answer to the problem is £45 ÷ 9 = £5

What could the problem be? Write or draw your own word or picture problem to match the multiplication.

_____
_____
_____