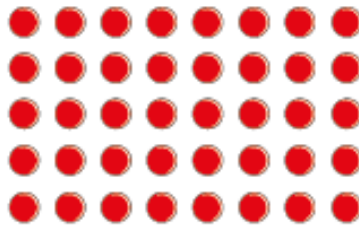1. Can you write the two division sentences this array is showing?

$$40 \div 5 = 8 \qquad 40 \div 8 = 5$$

2. Can you complete the division questions?

$40 \div 8 = 5$ $\qquad$ $48 \div 8 = 6$ $\qquad$ $64 \div 8 = 8$

$96 \div 8 = 12$ $\qquad$ $24 \div 8 = 3$ $\qquad$ $72 \div 8 = 9$

3. Can you fill in the blanks?

$16 \div 8 = 2$ $\qquad\qquad$ $88 \div 8 = 11$

$32 \div 8 = 4$ $\qquad\qquad$ $8 \div 8 = 1$

4. Sara has 35 sweets. She wants to share them out between her 8 friends.

Will each friend be able to get exactly the same amount of sweets? Why/ Why not?

I think each friend would not be able to get the same amount of sweets because 8 x 4 = 32 and there would be 3 left over.

5. There are 23 children in Kingfisher Class and 25 children in Woodpecker Class.

They have a P.E. lesson altogether and the teachers ask them to get into groups of 8.

How many groups will there be?

First... $23 + 25 = 48$

Then.... $48 \div 8 = 6$

6 groups

Look carefully at the numbers below.

| 23 | 28 | 32 | 64 | 65 |

If you divided each of them by 8 what would be left over?

23

8 x 2 = 16 with 7 left over

28

8 x 3 = 24 with 4 left over

32

4 x 8 = 32 so nothing left over!

64

8 x 8 = 64 so nothing left over!

65

8 x 8 = 64 so 1 left over

$48 \div 2 = 24$
$48 \div 4 = 12$
$48 \div 8 = 6$

What do you notice about the answers to these questions?

Can you predict what $48 \div 16$ would be?
Can you predict what the next calculation could be?

Half of 24 is 12 and half of 12 is 6. 2 doubled is 4 and 4 doubled is 8.

$48 \div 16 = 3$ (because 3 is half of 6)

$48 \div 32$ would be the next calculation. It equals 1 and a half.