



# West Byfleet Junior School

## Problem of the Week Solutions- Week 4



### 2 Points

Which calculation is the odd one out?  
Explain your thinking.

$$64 \div 8$$

$$77 \div 4$$

$$49 \div 6$$

$$65 \div 3$$

$$64 \div 8 = 8$$

$$77 \div 4 = 19 \text{ r } 1$$

$$49 \div 6 = 8 \text{ r } 1$$

$$65 \div 3 = 21 \text{ r } 2$$

*64 ÷ 4 is the odd one out as there are no remainders.*

### 3 Points

This table shows how many children own dogs and cats.

Fill in the missing gaps and answer the questions below.

	Boys	Girls	Total
Dogs	87	44	131
Cats	38	76	114
Total	125	120	245


- How many more boys have dogs than girls?
- How many more girls have cats than dogs?
- How many more children have dogs than cats?

*43 boys have dogs more than cats*

*32 girls have cats than dogs*

*17 more children have dogs than cats*

### 5 Points

Find the value of the 

$$\text{Purple Heart} + 3\frac{4}{9} = 6\frac{1}{3}$$

$$8\frac{1}{10} - \text{Purple Heart} = \text{Sun}$$

$$\text{Purple Heart} = 2\frac{8}{9} = \frac{26}{9}$$

$$\text{Sun} = 5\frac{19}{90} = \frac{469}{90}$$

Attempt to solve one or more of the problems and submit your solutions to Miss Eastland via email [eeastland@west-byfleet-junior.surrey.sch.uk](mailto:eeastland@west-byfleet-junior.surrey.sch.uk)

**Submit your solution** on or **before Wednesday 16th December** for your points to be added to the leaderboard, if your answer(s) are correct.

The leaderboard, weekly problems and solutions can be found on the school website under: Pupils - Our Curriculum- Mathematical Development- Problem of the Week