



West Byfleet Junior School

Problem of the Week Solutions - Week 6



2 Points

Rosie has £5
Has she got enough money to buy a car and two apples?



£3 and 35 p



£2 and 55 p



85 p



75 p

$$2 \text{ apples} = 85 \times 2 = \text{£}1.70$$

$$\text{Car} = \text{£}3.35$$

$$\text{Car} + 2 \text{ apples} =$$

$$\text{£}1.70 + \text{£}3.35 = \text{£}5.05$$

Rosie does not have enough money

3 Points

Fill in the missing numbers.

Remember the equals sign means both sides are balanced.

$$4 \div 10 = 8 \div \boxed{2} \div 10$$

$$15 \div 3 \div 10 = \boxed{5} \div 10$$

$$64 \div \boxed{8} \div 10 = 32 \div 4 \div 10$$

5 Points

At a cinema, $\frac{4}{10}$ of the audience are adults.

The rest of the audience is made up of boys and girls.

There are twice as many girls as boys.

What percentage of the audience are girls?

If $\frac{4}{10}$ are adults then $\frac{6}{10}$ are children.

Twice as many girls means $\frac{4}{10}$ are girls and $\frac{2}{10}$ are boys.

$\frac{4}{10}$ as a percentage = 40%

Girls = 40%

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

Submit your solution on or **before Wednesday 13th January** 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