

**OOPS!**

Below is a worked solution to a question that I feel you could have gained more marks on ..

Mr Brown and his 2 children are going to London by train.

An adult ticket costs £24

A child ticket costs £12

Mr Brown has a Family Railcard.

**Family Railcard gives**

$\frac{1}{3}$  off adult tickets £24  
60% off child tickets £12

Work out the total cost of the tickets when Mr Brown uses his Family Railcard.

Adult ticket  $\frac{1}{3}$  off 24

$$\frac{1}{3} \times 24 \div 3 = 8 \quad 24 - 8 = \underline{16}$$

Child ticket 60% off

$$\begin{aligned} 50\% \text{ of } 12 &= 6 \\ 10\% \text{ of } 12 &= \underline{1.20} \\ &= 7.20 \end{aligned}$$

$$\begin{array}{r} 16 \\ + 9.60 \\ \hline 25.60 \end{array}$$

$$\begin{aligned} 12 - 7.20 &= 4.80 \\ \times 2 &= \underline{9.60} \end{aligned}$$

**FACEPALM!!**

**NOW HAVE A GO AT THIS:**



Mr Mason asks 240 year 11 students what they want to do next year.

15% of the students want to go to college.

$\frac{3}{4}$  of the students want to stay at school.

The rest of the students do not know.

Work out the number of students who do not know.