fractions, decimals and percentages:

percentage to fraction model:

A survey of year 7 students at school showed that 47% of them take the bus to school, 16% are driven to school and 22% take the train. What fraction of students walk to school as a fraction. Simply.

1) add the percentages together e.g 47 + 16 + 22 = 85%

2) subtract the percentage from 100% f e.g 100 - 85 - clan

3) convert your answer to a fraction e.g 15% = 15/100

4) then simply the fraction as much as possible e.g 15/100 = 3/20

fill in the blanks:

| percentage | 10% | 35% | |
|------------|--------|------|--------|
| fraction | 10/100 | | 60/100 |
| decimal | | 0.35 | |
| percentage | | 70% | |
| fraction | 36/100 | | 40/100 |
| decimal. | 0.36 | 0.7 | |

short and long multiplication



£35 to go on the trip. There are 29 students in the class. What is the total cost of the trip?

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|-------------|-----|---|---------|------------|--------------------------------|---------|--|--|--|--|--|--|--|--|--|
| 2 | 3 | | | | | | | | | | | | | | |
| 3 (| 5 | + | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | |
| (0)(| 5 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

2) Taylor is making cakes for the school cake sale. She is going to make 5 cakes and has everything she needs except eggs. Each cake needs 3 eggs. A package of 6 eggs cost £2.89 how much will it cost to buy all the eggs to make the cakes.

```
5 \text{ cakes x } 3 \text{ eggs} = 15 \text{ eggs needed}
6 eggs per pack
Taylor needs to buy 3 packs of eggs
ĹĹ
289x
     3
              1867
867
 Made with Goodnotes
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