

Finding fractions of an amount: Problems

1. Daniel had £12 in his pocket. He spent $\frac{5}{6}$ of his money.
How much did Daniel spend? How much money has he left?
£10 spent, £2 left
2. Kevin walked $\frac{5}{8}$ of his journey. If the journey was 160km long, how far did he walk? **100km**
3. There are 32 pupils in a class. $\frac{7}{16}$ of them are girls.
How many girls are in the class? How many boys are in the class?
14 girls, 18 boys
4. In an election, $\frac{9}{10}$ of the electors went out to vote. If there were 30,000 electors, how many voted? **27 000**
5. A television costs £550 in a shop. In a sale the television will be sold for $\frac{4}{5}$ of this price.
How much will the television cost in the sale? **£440**
How much money will you save? **£110**
6. 65 sweets are shared between Will and James. Will has $\frac{11}{13}$ of them and James has the remainder. How much will each one get?
Will £55, James £10
7. Arthur earns £600 per week. He pays $\frac{7}{20}$ of his earnings in tax. How much tax does Arthur pay? **£210**
8. $\frac{3}{10}$ of school pupils are boys and the remainder girls. If there are 1400 pupils in the school, how many are boys and how many are girls?
420 boys, 980 girls