

## Level 3 Homework - Fractions

Q1. Write the following fractions as mixed numbers and simplify where possible:

(a)  $18/7$

(b)  $43/5$

(c)  $8/6$

(d)  $121/10$

Q2. Write the following as improper fractions:

(a)  $1^4/7$

(b)  $2^3/5$

(c)  $7^1/6$

(d)  $9^4/9$

Q3. Work out the following and give your answer in its simplest form:

(a)  $2/3 + 1/5$

(b)  $1^1/6 - 5/7$

(c)  $3^1/4 + 2^2/3$

Q4. John baked a cake and divided it into 8 slices; his children ate  $3/4$  of it, how many slices were left?



Q5. Jason saved up £72, he gave  $2/3$  of this to his brother for his birthday, how much did he give his brother?

Q6. Multiply the following and give your answers in their simplest form:

(a)  $2/3 \times 1/5$

(b)  $1^1/2 \times 7/5$

(c)  $3 \times 2/7$

(d)  $3^4/10 \times 2^5/12$

Q7. Divide the following and give your answers in their simplest form:

(a)  $2/5 \div 1/4$

(b)  $7/8 \div 1/3$

(c)  $1^3/7 \div 2/3$

(d)  $3^3/4 \div 1^1/2$

Q8. John has  $7^1/2$  chocolate bars, if he shares the chocolate equally between 5 people, how much does each person get?



Q9. A plank of wood is  $5^1/4$  metres long. It is cut into 7 equal pieces. How long is each piece?

