Q1) Cancel these fractions to their lowest terms:

 a)  b)  c)  d) 

Q2) Express these as mixed numbers in their lowest terms

 a)  b)  c)  d) 

Q3) Evaluate, giving your answers as a fraction in its lowest terms

 a)  b)  c)  d) 

Q4) In the fast food cafe, over all the shifts there are eighteen girls and twelve boys waiting tables at tables. In the kitchen there are six boys and nine girls. What fraction of the kitchen staff are girls, and what fraction of the employees are boys?

Q5 What fraction of 1 hour is: a) 5 minutes

1. 15 minutes
2. 40 minutes?

Q6) If I pay my gas bill within seven days, I can have a reduction of an eighth of the price. If my bill is for £120, how much can I save?

# Exam Style Questions

Q7) Calculate, in fractional form, the value of 

 When a = , b = , c =  and d = . (3 marks)

Q8) What fraction of the shape is shaded?

 (2 marks)

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Q9) Three fifths of the pupils in a school stay to lunch. There are 600 pupils in the school. How many do not stay for lunch? (3 marks)

Q10) Mrs Smith’s salary was £6450. When she retires, she will be paid a pension of  of this salary. Calculate her pension.

 (2 marks)

Q1) a) 1/3

 b) 3/5

 c) 1/4

 d) 1/3 (1/2 marks each, 2 marks)

Q2) a) 3

 b) 2 & 1/10

 c) 1 & 1/2

 d) 1 & ¾ ( ½ marks, 2 marks)

Q3) a) 10/12

 b) 17/6 or 2 & 5/6

 c) 1

 d) 2 & 2/3 (½ mark each, 2 marks)

Q4) Kitchen staff = 2/3

 Employees = 21/45 or 7/15 ( ½ mark each , 2 marks)

Q5) a) 1/12

 b) 1/4

 c) 8/12 or 2/3 (1 mark each, 3 marks)

Q6) £15 (2 marks)

# Exam Style Questions

Q7) a – b = ½ c + d = 7/6 y = 3/7 (1 mark each, 3 marks)

Q8) 8/32 or 1/4 (2 marks)

Q9) 1/5 = 120 stay = 360 not stay = 240 (1 mark each, 3 marks)

Q10) 1/5 = £1290 pension = £2580 (1 mark each, 2 marks)

## TOTAL = /23