Q1) David divides £15.20 by 3. What is the answer to the nearest penny?

Q2) Round these numbers to the required degree of accuracy

 a) 62.1935 (1 dp) b) 62.1935 (3 dp) c) 6.2999 (3 dp)

 d) 1329.62 (3 SF) e) 120 (1 SF) f) 0.024687 (4 SF)

Q3) A jar of pickles weighs 410.8 g to 1 dp. Which of the following could be the exact

 weight of the tin?

 a) 409.75 b) 410.86 c) 411.01 d) 410.75

Q4) Round the following to an appropriate degree of accuracy:

a) 42.798g of sugar used to make a cake

1. 1.132 litres of lemonade used in a fruit punch

c) the distance of 3.872 miles from Mel’s house to Bryans house

d) 6 buses owned by the Partridge Flight Bus Company

Q5) Calculate, giving your answer to an appropriate degree of accuracy:

a)  b) 

Q6) Show all your working, estimate the value of the following:

a)  b) 

 **Exam style questions**

Q7) Show clearly how you would obtain an ESTIMATE for the following calculation

 (3 marks)

Q8) The number of people at as football match was 8681. Write down 8681 correct to the nearest one hundred. (2 marks)

Q9) A rectangular card measures 128mm long by 73mm wide, each measurement

 being correct to the nearest mm.

* 1. Write down the lowest and greatest possible values for the length

of the card. (1 mark)

* 1. Write down the lowest and greatest possible value for the width

of the card. (1 mark)

* 1. 7 of these cards are placed end to end to form a continuous

rectangular strip. What is the greatest possible length of this

rectangular strip. (1 mark)

Q1) £5.07 **(1 mark)**

Q2) a) 62.2 b) 62.193

c) 6.30 d) 133

1. 100 f) 0.02369 **(1 mark each, 6 marks)**

Q3) part d **(1 mark)**

Q4) a) 42g (to 2SF)

* 1. 1.1 litres (to 2 SF)
	2. 3.9 miles ( to 2 SF)
	3. 6 (to 1 SF) **(1 mark each, 4 marks)**

Q5) a) 0.721 ( to 3 SF or 3 dp)

1. 3.735 ( to 3 dp) **(1 mark each, 2 marks)**

## Exam style questions

Q6) a) = 30 b) =900 **(2 marks each, 4 marks)**

Q7) = 2 (**3 marks)**

Q8) 8700 **(2 marks)**

Q9) a) lowest = 127.5 mm greatest = 128.49 mm **(1 mark)**

 b) lowest = 72.5 mm greatest = 73.49 mm **(1 mark)**

 c) 7 x 128.49 = 899.43 mm  **(1 mark)**

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