

Approximation & Estimation

28 marks

1. (a) Work out $4.5 - 1.62$

..... (1)

- (b) Work out 0.4×0.2

..... (1)

- (c) Estimate the value of $\frac{7.8 \times 5.3}{10.3}$

..... (2)

(Total 4 marks)

2. 54 327 people watched a concert.

- (a) Write 54 327 to the nearest thousand.

..... (1)

- (b) Write down the value of the 5 in the number 54 327.

..... (1)

(Total 2 marks)

3. (a) Work out $\frac{11}{12} - \frac{5}{6}$

..... (2)

- (b) Estimate the value of $\frac{68 \times 401}{198}$

..... (2)

(Total 4 marks)

4. (a) Write the number **seventeen thousand, two hundred and fifty-two** in figures.

.....

(1)

(b) Write the number 5367 correct to the nearest hundred.

.....

(1)

(c) Write down the value of the 4 in the number 274 863

.....

(1)

(Total 3 marks)

5.



The picture shows a man standing next to a giraffe.

The man and the giraffe are drawn to the same scale.

(a) Write down an estimate for the height, in metres, of the man.

.....m

(1)

(b) Estimate the height, in metres, of this giraffe.

.....m

(3)

(Total 4 marks)

6. (a) Round 2.3859 to 3 significant figures.

..... (1)

(b) Write 45 : 60 as a ratio in its simplest form.

..... (1)
(Total 2 marks)

7. (a) Write 37 451 correct to 1 significant figure.

..... (1)

(b) Write 0.000 726 9 correct to 1 significant figure.

..... (1)
(Total 2 marks)

8. (a) Write 0.060 172 correct to 1 significant figure.

..... (1)

(b) Write 28 473 correct to 1 significant figure.

..... (1)
(Total 2 marks)

9. (a) Write **three hundred and fifty thousand** in figures.

..... (1)

(b) (i) Write 25 400 in words.

.....

(ii) Write down the value of the **5** in 25 400.

..... (2)

(c) (i) Write 25 730 correct to the nearest thousand.

.....

(ii) Write 25 730 correct to the nearest hundred.

..... (2)
(Total 5 marks)