

Delta 1

Unit 6 Review (Non-Calculator)

Decimals

How well did you do:

Decimals	Score = $\frac{\quad}{46}$	
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<i>Topics/skills which need to be revisited:</i>	<i>Questions from the Review</i>	<i>Further Practice from Delta 1</i>
- Write decimals in ascending and descending order - Write inequalities involving decimals	- Q1 - Q3	- P149 Q2 - P156 Q23
Round to decimal places	Q4	P149 Q4
Add and subtract decimals	Q2	P149,150 Q2-3
- Multiply a decimal by an integer - Use place value facts to multiply decimals - Use place value facts to divide decimals - Use BIDMAS with decimals	- Q5 - Q9a - Q9b - Q15	- P150 Q1 - P157 Q6ab - P157 Q6c - P155 Q15
- Divide a decimal by a whole number - Divide a number by a decimal	- Q6 - Q7	- P150 Q7 - P150 Q8, 9
- Convert between fractions, decimals and percentages - Compare different proportions using percentages - Work backwards to solve a fractional problem	- Q8 - Q10 - Q17	- P157 Q3 - P151 Q7 - n/a
- Calculate a percentage of a quantity - Calculate percentage increase and decrease - Write as a percentage - Work backwards to solve a percentage problem	- Q11 - Q12,13 - Q14 - Q16	- P152 Q10,11 - P152 Q12,13 - P157 Q5 - n/a

- 1 Write these decimals in order. Start with the smallest decimal.

4.8 4.069 4.501 4.15

.....

(1 mark)

- 2 Work out the following, showing clear non-calculator working

a $3.6 + 4.85$

.....

b $12.3 - 2.89$

.....

(2 marks)

- 3 Write $<$ or $>$ for each pair of numbers.

a -6.48 -6.5

b 5.983 5.99

c -3.09 -3.01

(3 marks)

- 4 Round these numbers correct to 2 decimal places.

a 16.487

.....

b 5.090

.....

c 4.0899

.....

(3 marks)

- 5 Work out 4.06×7 , showing clear non-calculator working

.....

(1 mark)

- 6 Work out $6.36 \div 6$, showing clear non-calculator working

.....

(1 mark)

- 7 Work out the following, showing clear non-calculator working

a $2.046 \div 0.2$

.....

b $4.08 \div 0.05$

.....

(4 marks)

- 8 Copy and complete this table. Write fractions in their simplest form.

Fraction	Decimal	Percentage
$\frac{13}{40}$		
	0.245	
		17.5%

(6 marks)

- 9 Given that $4.5 \times 6.38 = 28.71$, find the values of

a 45×0.638

.....

b $2.871 \div 0.045$

.....

(2 marks)

- 10 Put these numbers in order. Start with the smallest number.

33% 38 0.35 13

.....

(1 mark)

- 11 Find 13% of £250

£.....

(2 marks)

- 12 In a sale, a shopkeeper reduces all the normal prices of clothes by 35%

A skirt has a normal price of £46

Work out the price in the sale.

£.....

(3 marks)

- 13 Jim invested £5000 in a business.

After one year the value of his investment had increased by 12%

Work out the value of his investment after one year.

£.....

(3 marks)

- 14 Two hundred students voted in a school election.
Gemma got 60 votes.
What percentage of the votes did she get?

.....%

(1 mark)

- 15 Work out the following, showing clear non-calculator working

a $0.75 - 0.2 \times 0.4$

.....

b $5 \times (1 - 0.3)$

.....

c $0.2 \times 0.6 + 0.9 \times 0.4$

.....

d $0.6 - 0.4^2$

.....

(8 marks)

- 16 Thirty per cent of the people in a sports club are female.
There are 245 males in the sports club.
How many females are there in the sports club?

.....

(3 marks)

17 When Sophie uses a rail card, the full price of a ticket is reduced by $\frac{1}{3}$

She uses her rail card and pays £27 for a ticket.

Work out the full price of a ticket.

£.....

(2 marks)

[END OF REVIEW]