N25 Rounding to 10 100 1000

OCR

2 **(a)** Use one of these symbols $<$, $>$ or $=$ to make each statement true.

      (i) 17.6 .... 17.06 **[1]**

      (ii) 0.9 .... $\frac{45}{50}$ **[1]**

(b) Round 184 329 to the nearest hundred.

      (b) .... **[1]**

(c) Write $\frac{5}{8}$ as a decimal.

      (c) .... **[1]**

2 (a) Use one of these symbols $<$, $>$ or $=$ to make each statement true.

17·60
17·06

   (i) 17.6 ......$>$...... 17.06   [1]

   (ii) 0.9 ......$=$...... $\frac{45}{50}$ [1]
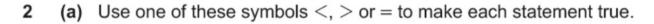
(b) Round 184 329 to the nearest hundred.

(b) 184300   [1]

(c) Write $\frac{5}{8}$ as a decimal.

(c) 0·625   [1]

3   (a) Round 7874 to

   (i)   the nearest hundred,

(a)(i)   .... [1]

   (ii)   1 significant figure.

(ii)   .... [1]

(b) Find the value of x.

$$3^5 \times 3^2 = 3^x$$

(b)   x = ... [1]

3 (a) Round 7874 to

(i) the nearest hundred,

(a)(i) 7900 .... [1]

(ii) 1 significant figure.

7874

(ii) 8000 .... [1]

(b) Find the value of x.

$$3^5 \times 3^2 = 3^x$$

(b) x = 7 .... [1]

2   (a) Write down.

(i)   3091 rounded to the nearest hundred

N25

(a)(i)   .... [1]

(ii)   3% as a decimal

N46

(ii)   .... [1]

(iii)   the cube root of 27

N19

(iii)   .... [1]

2 (a) Write down.

(i) 3091 rounded to the nearest hundred

N25

3091

(a)(i) _3100_ [1]

(ii) 3% as a decimal

N46

(ii) _0.03_ [1]

(iii) the cube root of 27

N19

$\sqrt[3]{27}$

$3 \times 3 \times 3 = 27$

(iii) _3_ [1]

Edexcel

4   Write 2549 correct to the nearest 10

....

(Total for Question 4 is 1 mark)

4 Write 2549 correct to the nearest 10

2550

(Total for Question 4 is 1 mark)

2549

1   Write 4729 correct to the nearest hundred.

N25

....

(Total for Question 1 is 1 mark)

1   Write 4729 correct to the nearest hundred.

N25

....

(Total for Question 1 is 1 mark)

1 Write 3758 correct to the nearest 1000

....

(Total for Question 1 is 1 mark)

1   Write 3758 correct to the nearest 1000

3|758

4000

(Total for Question 1 is 1 mark)

3   Write the number 2538 correct to the nearest hundred.

N2S

....

(Total for Question 3 is 1 mark)

3   Write the number 2538 correct to the nearest hundred.

N2S

2538

2500

(Total for Question 3 is 1 mark)

4 Write 7829 to the nearest 1000

N25

....

(Total for Question 4 is 1 mark)

4 Write 7829 to the nearest 1000

N25

7829

8000

(Total for Question 4 is 1 mark)

AQA

7

N25

By rounding each number to the nearest 10,

estimate the answer to $\dfrac{61 \times 47}{102}$

You **must** show your working.

[2 marks]

_____

_____

_____

Answer _____

7

N25

By rounding each number to the nearest 10,

estimate the answer to $\dfrac{61 \times 47}{102}$

$$\dfrac{60 \times 50}{100} = \dfrac{30\cancel{00}}{1\cancel{00}}$$

You **must** show your working.

[2 marks]

$$= \dfrac{30}{1}$$

$$= 30 \checkmark$$

Answer _____