N30N31 Multiply Divide Decimals

OCR

3 (a) Nathan works out 23×12.4 without a calculator.

This is Nathan's working.

$$10 \times 12.4 = 12.40$$

$$20 \times 12.4 = 24.80$$

$$3 \times 12.4 = 37.2$$

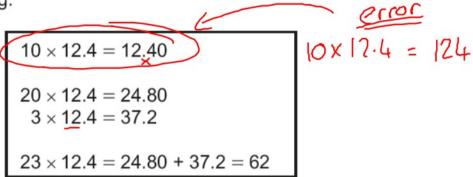
$$23 \times 12.4 = 24.80 + 37.2 = 62$$

Nathan's working is incorrect.

Explain the error that Nathan has made and work out the correct answer.

3 (a) Nathan works out 23×12.4 without a calculator.

This is Nathan's working.



Nathan's working is incorrect.

Explain the error that Nathan has made and work out the correct answer.

2	(a)	Write t	hese	fractions	as	decimal	S

Created by W Neill

N46 (i) $\frac{9}{10}$

(a)(i)[1]

(ii) $\frac{3}{4}$

(ii)[1]

(b) A plank of wood 2.4 m long is cut into 6 pieces of equal length.

N31 How long is each piece?

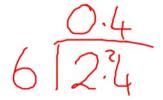
(b) m [2]

2 (a) Write these fractions as decimals.

Created by W Neill

- N43 (i) $\frac{9}{10}$
 - (ii) $\frac{3}{4}$ 0.75 N45 4 3.302
- (a)(i) [1]

- (ii)[1]
- (b) A plank of wood 2.4 m long is cut into 6 pieces of equal length.
- N31 How long is each piece?





(b)

		Video created by Will Neill
40 (-) \\		
12 (a) Work	out.	
N31	8 ÷ 0.4	
		(a)[2]

12 (a) Work out.

N31

$$8 \div 0.4$$

$$\frac{8}{0.4} = \frac{80 \text{ (a)}}{4} = \frac{20}{4}$$

Edexcel

Created	by	W	Neil
---------	----	---	------

7 Work out £3.89 \times 5

£

(Total for Question 7 is 2 marks)

7 Work out £3.89 \times 5

(Total for Question 7 is 2 marks)

23 Work out 54.6×4.3

Video created by W Neill

.....

(Total for Question 23 is 3 marks)

23 Work out 54.6×4.3

546 X43

	500	40	6	20000
40	20000	1600	240	1840 1620
3	1200	120	18	+ 18

234.78

(Total for Question 23 is 3 marks)

Created by W Neill

21 Work out
$$\frac{0.06 \times 0.0003}{0.01}$$

Give your answer in standard form.

.....

(Total for Question 21 is 3 marks)

21 Work out
$$\frac{0.06 \times 0.0003}{0.01}$$

Give your answer in standard form.

$$0.06 \times 0.0003 =$$

$$\frac{0.000018}{0.01} = \frac{0.0018}{1} = 0.0018$$

(Total for Question 21 is 3 marks)

AQA

•					Video created by W Neill	
9 NII N31	Work out	25.68 ÷ 12			[2 marks]	
			Answer			

9 Work out

25.68 ÷ 12

[2 marks]

N11 N31

12 1225.68

Answer

9 Work out

25.68 ÷ 12

[2 marks]

N11 N31

12 1225.68

Answer