N43N44N45 Converting FDP Non Calc

OCR

1 (a) Complete this table of fractions, decimals and percentages.

Fraction		Decimal		Percentage
·	=	0.63	=	63%
	=	0.07	=	
<u>4</u> 5	=		=	

1 (a) Complete this table of fractions, decimals and percentages.

Fraction		Decimal		Percentage
<u>63</u> 100	= 1	0.63	=	63%
7/100	=	0.07	=	7%
4 8 10	=	0.8	=	80%

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5	Write 0.26 as a fraction. Give your answer in its simplest form.	
		[2]
		[2]

Write 0.26 as a fraction.Give your answer in its simplest form.

$$\frac{26}{100} = \frac{13}{50}$$



This is her working.

$$\frac{3}{8}$$
 is $\frac{1}{8}$ more than $\frac{1}{4}$

$$\frac{1}{4}$$
 is the same as 0.14

$$\frac{1}{8}$$
 is $\frac{1}{4} \times 2 = 0.28$

so
$$\frac{3}{8}$$
 = 0.14 + 0.28 = 0.42

Where a line of working is wrong, write the correct working beside it.

9 (a) Elsie changes
$$\frac{3}{8}$$
 to a decimal.

This is her working.

$$\frac{3}{8}$$
 is $\frac{1}{8}$ more than $\frac{1}{4}$

$$\frac{1}{4}$$
 is the same as 0.14

$$\frac{1}{8}$$
 is $\frac{1}{4} \times 2 = 0.28$

so
$$\frac{3}{8}$$
 = 0.14 + 0.28 = 0.42

$$x = 4 \div 2 = 0.125$$

Where a line of working is wrong, write the correct working beside it.

[3]

- 6 Which is bigger, 36% or $\frac{7}{20}$?
- N44 Show your working and give a reason for your answer.

..... is bigger because

.....

- 6 Which is bigger, 36% or $\frac{7}{20}$?
- N44 Show your working and give a reason for your answer.

$$\frac{36}{20} = 0.36$$

is bigger because

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13 (a) Write $\frac{7}{9}$ as a recurring decimal.

a)[1]

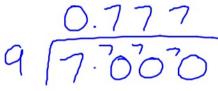
(b) Sally divided a two-digit number by another two-digit number. Her answer was 3.181818.......

Find two numbers that Sally could have used.

(b)[3]

13 (a) Write $\frac{7}{9}$ as a recurring decimal.

N45



O · /

(b) Sally divided a two-digit number by another two-digit number. Her answer was 3.18181818.......

NSb

Find two numbers that Sally could have used.

3

Let
$$x = 0.18$$

 $= 1.81$
 $= 100x = 18.18$
 $= 180x = 18$

(a)

$$x = 18$$

$$2 = 18$$

$$2 = 2$$

$$3 = 2$$

$$3 = 2$$

$$3 = 2$$

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13 (a) Write $\frac{5}{12}$ as a recurring decimal.

a)[2]

13 (a) Write $\frac{5}{12}$ as a recurring decimal.

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2	Write 27% as a fraction.	
		(Total for Question 2 is 1 mark)

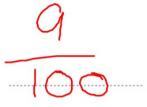
2 Write 27% as a fraction.

<u>27</u> 100

(Total for Question 2 is 1 mark)

3 Write 0.09 as a fraction.	Created by W Neill
	(Total for Question 3 is 1 mark)

3 Write 0.09 as a fraction.



(Total for Question 3 is 1 mark)

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2 Write $\frac{3}{100}$ as a decimal.

N43

service of services

(Total for Question 2 is 1 mark)

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2 Write $\frac{3}{100}$ as a decimal.

N43



(Total for Question 2 is 1 mark)

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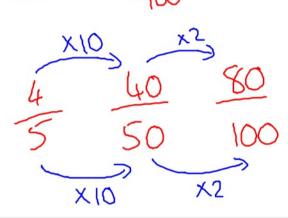
4 Write $\frac{4}{5}$ as a percentage.

......%

(Total for Question 4 is 1 mark)



4 Write $\frac{4}{5}$ as a percentage.



80 %

(Total for Question 4 is 1 mark)

14 Here are two fractions.

$$\frac{7}{5}$$
 $\frac{5}{7}$

Work out which of the fractions is closer to 1 You must show all your working.

(Total for Question 14 is 3 marks)

14 Here are two fractions.

Work out which of the fractions is closer to 1 You must show all your working.

(Total for Question 14 is 3 marks)

1 Write $\frac{7}{100}$ as a decimal.

(Total for Question 1 is 1 mark)

1 Write $\frac{7}{100}$ as a decimal.

0.07

(Total for Question 1 is 1 mark)

	Video created by W Neill
3 Write 20% as a fraction.	
	(Total for Question 3 is 1 mark)

3 Write 20% as a fraction.

N43

100

5/

20/

(Total for Question 3 is 1 mark)

14 Gavin, Harry and Isabel each earn the same monthly salary.

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Each month,

N43/44/45

Gavin saves 28% of his salary and spends the rest of his salary

R13

Harry spends $\frac{3}{4}$ of his salary and saves the rest of his salary

the amount of salary Isabel saves: the amount of salary she spends = 3:7

Work out who saves the most of their salary each month.

You must show how you get your answer.

(Total for Question 14 is 4 marks)

14 Gavin, Ha	rry and Isabel each earn the same monthly salary.	7100
Each mont	th,	2 (0
N43/44/45	Gavin saves 28% of his salary and spends the rest	
R13	Harry spends $\frac{3}{4}$ of his salary and saves the rest of	his salary
	the amount of salary Isabel saves: the amount of sa	alary she sper
	who saves the most of their salary each month.	G
You must s	show how you get your answer.	787
	2100	287
Gavin	Saves 28% = {28	201
Harry	Saves 1/4 = {25	
Sabel	Saves 3:7 3/10 0 4100	ס ס
	$\frac{3}{10}$ $\frac{7}{10}$ $\frac{1}{10}$	(Tot

pends = 3:7

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(Total for Question 14 is 4 marks)

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1 Write $\frac{9}{10}$ as a decimal. N43

.....

(Total for Question 1 is 1 mark)

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1 Write
$$\frac{9}{10}$$
 as a decimal. N43



(Total for Question 1 is 1 mark)

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2 Write 0.3 as a percentage.	
INA 2	
	%
	(Total for Question 2 is 1 mark)

Video created by W Neill Write 0.3 as a percentage. N43 (Total for Question 2 is 1 mark)

	Video Created by W Neill
2 Write 0.6 as a percentage.	
N43	
	(Total for Question 2 is 1 mark)
	(Total for Question 2 is 1 mark)
	(Total for Question 2 is 1 mark)
	(Total for Question 2 is 1 mark)
	(Total for Question 2 is 1 mark)
	(Total for Question 2 is 1 mark)

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2 Write 0.6 as a percentage.

N43

60 %

(Total for Question 2 is 1 mark)

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5 Write 0.31 as a fraction.	
N43	
	(Total for Question 5 is 1 mark)

5 Write 0.31 as a fraction.

N43

31

(Total for Question 5 is 1 mark)

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2 Write 3% as a fraction.		
N43		
1415		
	(Total for Question 2 is 1 mark)	

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2 Write 3% as a fraction.

N43

100

(Total for Question 2 is 1 mark)

AQA

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[1 mark]

2 Work out $\frac{1}{4} + 0.5$

N44 Circle your answer.

0.30 0.6 0.75 0.9

[1 mark]

Work out $(\frac{1}{4})$ + 0.5 2 N44

N45

Circle your answer.

0.30

0.6

0.75

0.9

7 Video created by W Neill What is $\frac{3}{2}$ as a decimal? $\frac{3}{2} = \frac{1}{2}$ Circle your answer. [1 mark] NILL

Video created by W Neill Circle the decimal which has the same value as $\frac{3}{5}$ 1 [1 mark] N44 0.06 0.35 0.6 3.5

N44

[1 mark]

0.06

0.35

0.6

3.5

$$\frac{3}{5} = \frac{6}{10}$$

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10 Complete the table to show equivalent fractions and percentages.

N43-44-45

[3 marks]

Fraction	Percentage
1/2	50%
3 10	
	43%
<u>5</u> 2	

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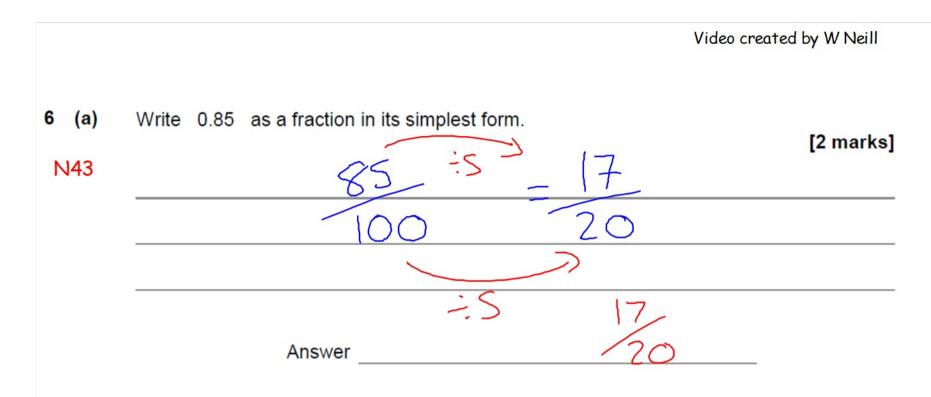
10 Complete the table to show equivalent fractions and percentages.

N43-44-45

[3 marks]

Fraction	Percentage		
1/2	50%		
3 10	30%		
0.43	43%		
$2^{\frac{1}{2}}$ $\frac{5}{2}$	250%		

						Video cr	eated by W Neil	I
6 (a	Write	0.85	as a fraction i	in its simplest forr	m.		[2 mark	(s]
			Answer ₋					



		Video created by W Neill
	Write $\frac{5}{8}$ as a decimal.	[1 mark]
N45		[1
	Answer	

Video created by W Neill

6 (b) Write $\frac{5}{8}$ as a decimal. [1 mark]

Answer $\frac{5}{8}$ Answer

Video created by W Neill Circle the percentage that is closest in value to $\frac{1}{3}$ 19 [1 mark] N45 30% 33.3% 33.4% 33%

Circle the percentage that is closest in value to $\frac{1}{3}$ 19

N45

30% 33% $= 0.33333^{[1 \text{ mark}]}$ = 33.3333.

33.3%