CAMBRIDGE PRIMARY MATHEMATICS 0845

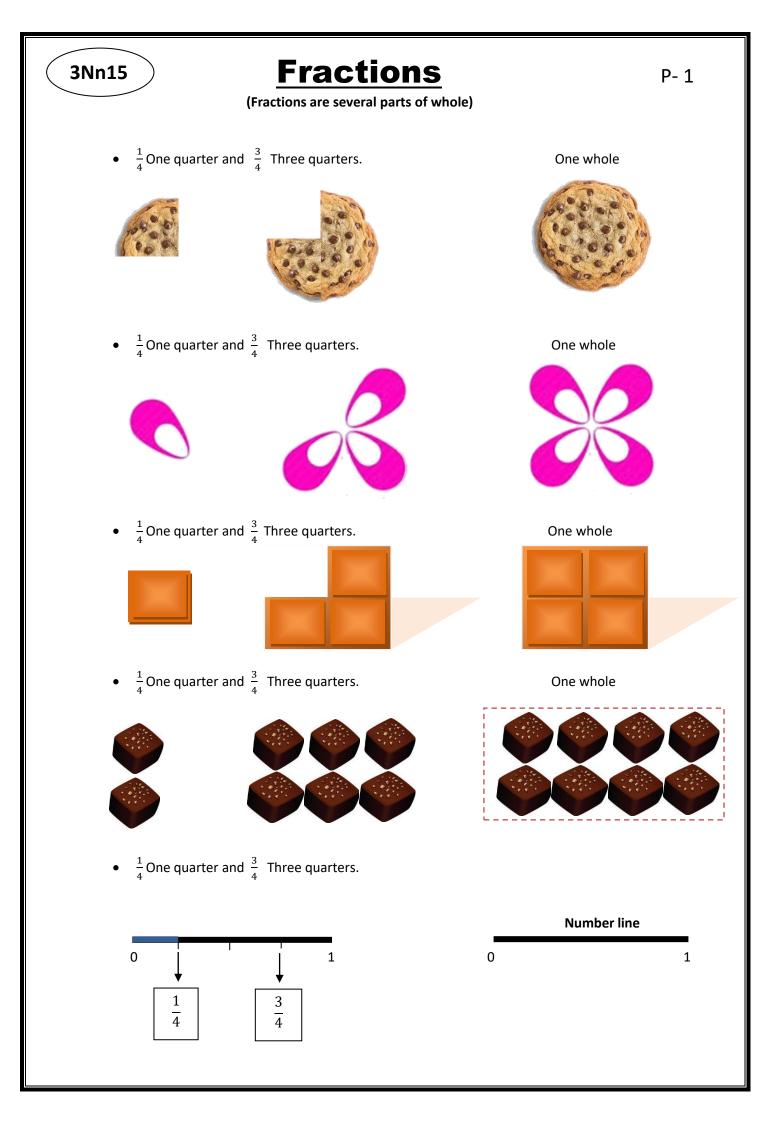
FRACTIONS STAGE 3 (GRADE 2)

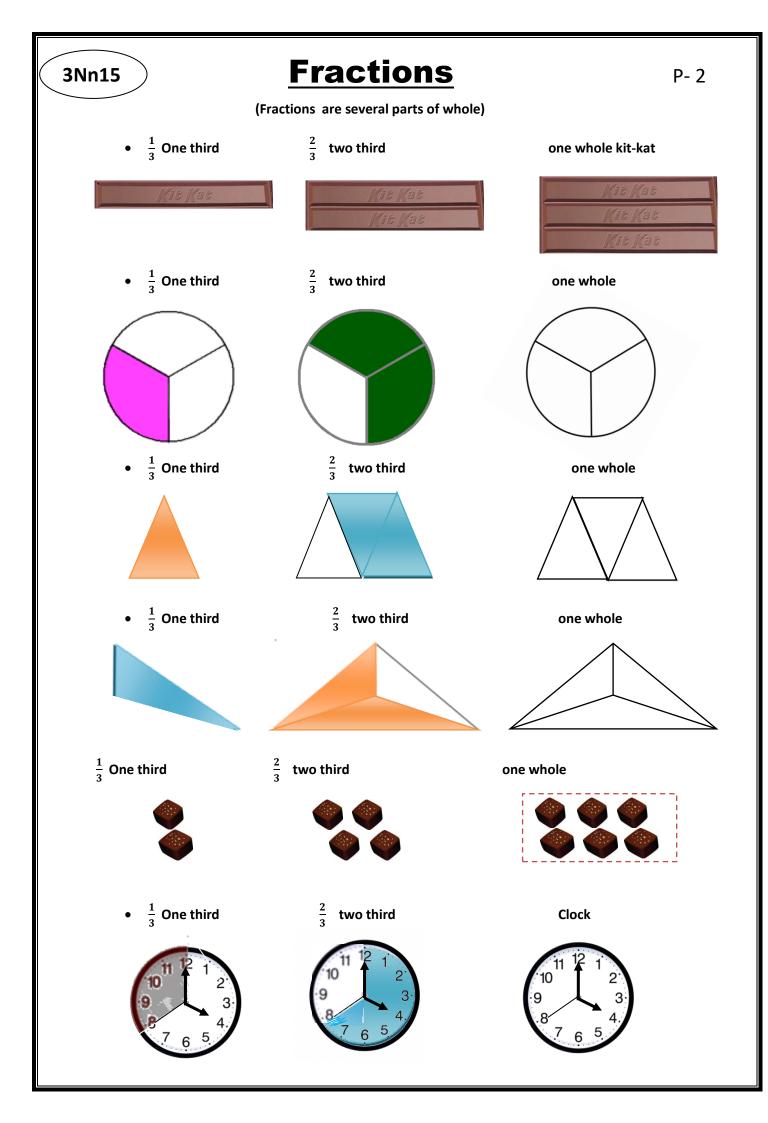
- **3Nn15** Understand and use fraction notation recognising that fractions are several parts of one whole, e.g. 3/4 is three quarters and 2/3 is two thirds
- **3Nn16** Recognise equivalence between 1/2, 2/4, 4/8 and 5/10 using diagrams
- 3Nn17 Recognise simple mixed fractions, e.g. 1 1/2 and 2 1/4
- **3Nn18** Order simple or mixed fractions on a number line ,e.g. using the knowledge that 1/2 comes half way between 1/4 and 3/4 and that 1 1/2 comes half way between 1 and 2
- 3Nn19 Begin to relate finding fractions to division
- 3Nn20 Find halves, thirds, quarters and tenths of shapes and numbers (whole number answers)

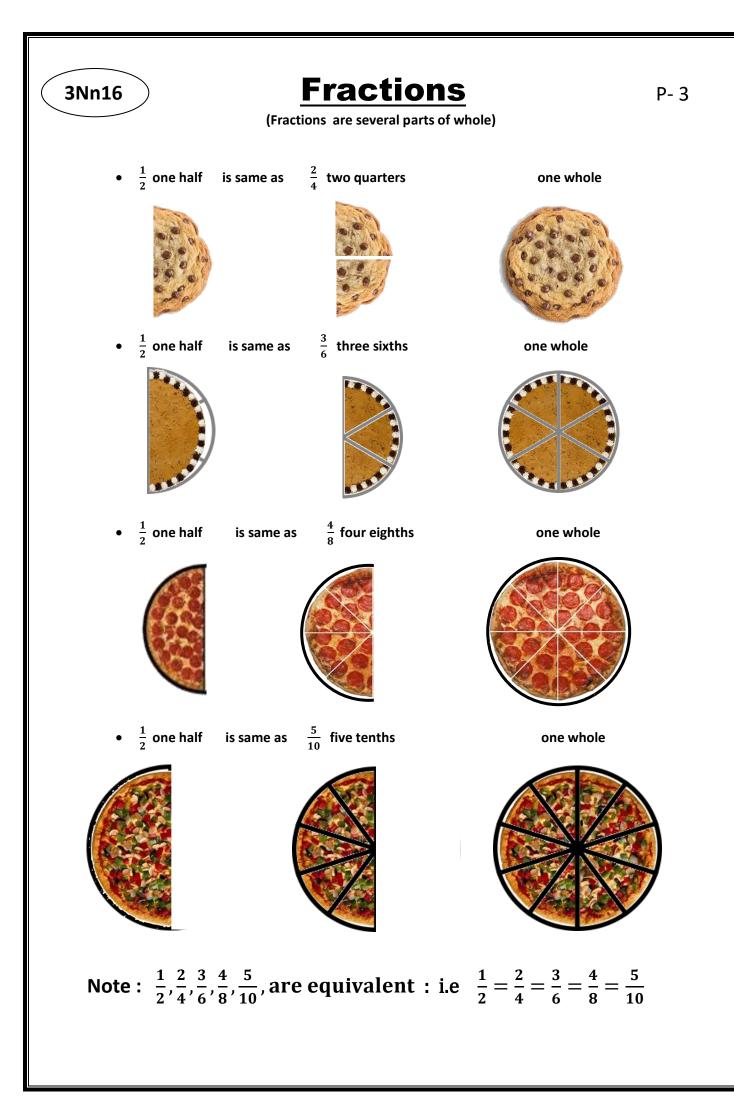
My sincere thanks to : Ms Preeti Kaushik,our art teacher for designing and editing this unit Ms Shruti Verma for maintaining the blog Mr Madan Saini for reviewing this unit

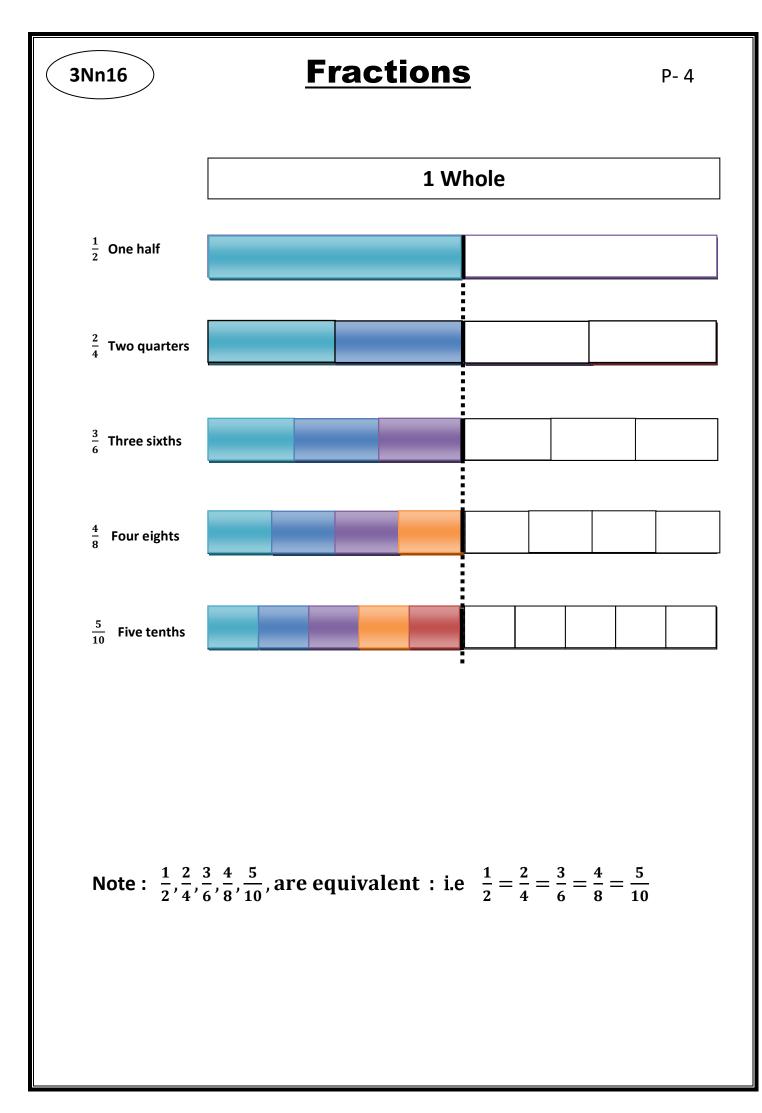
> Suresh Goel (Director)

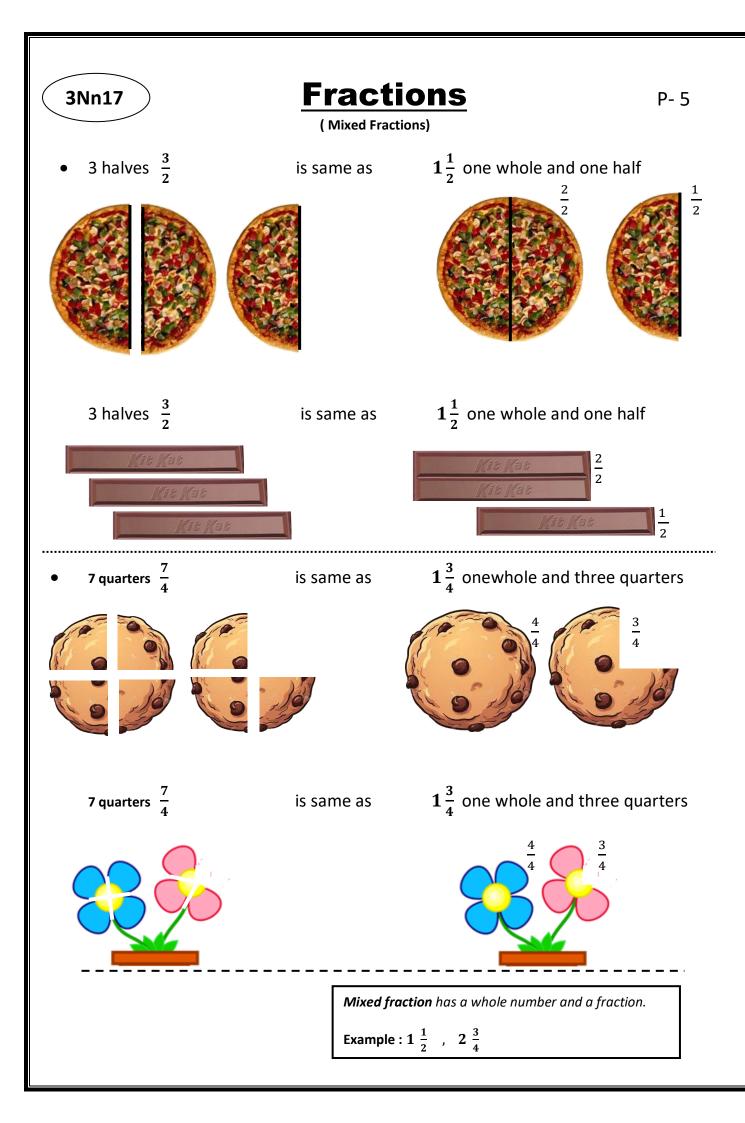
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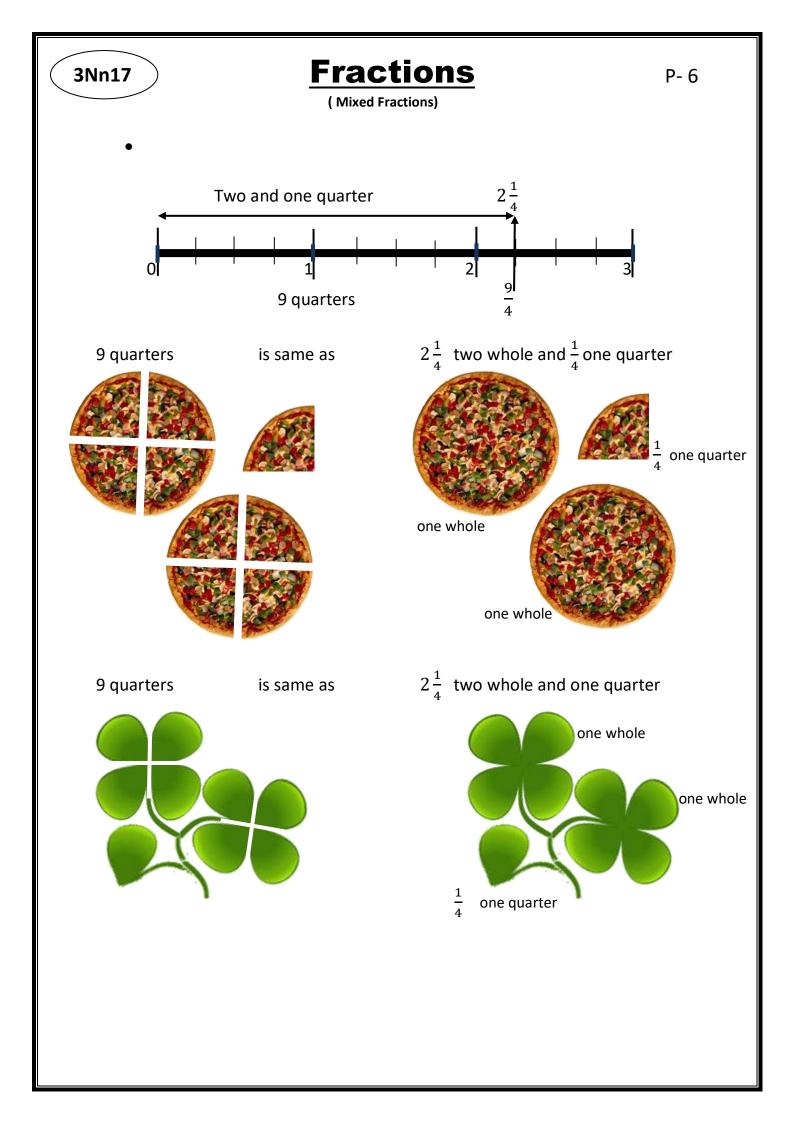


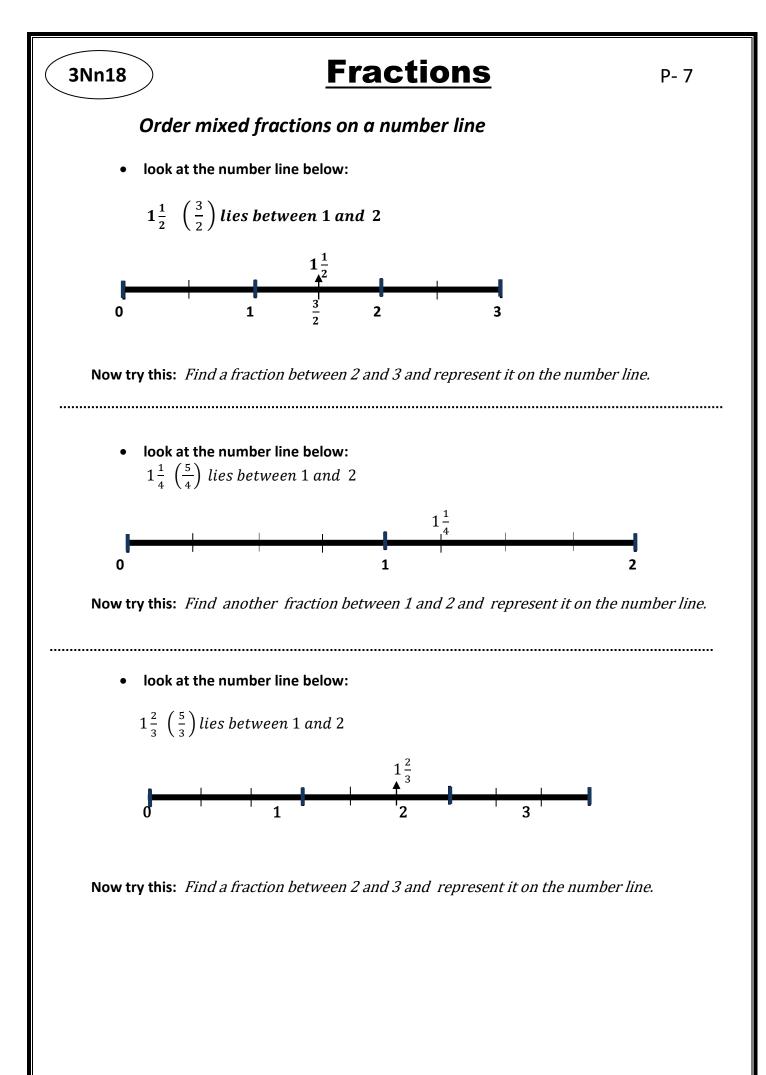


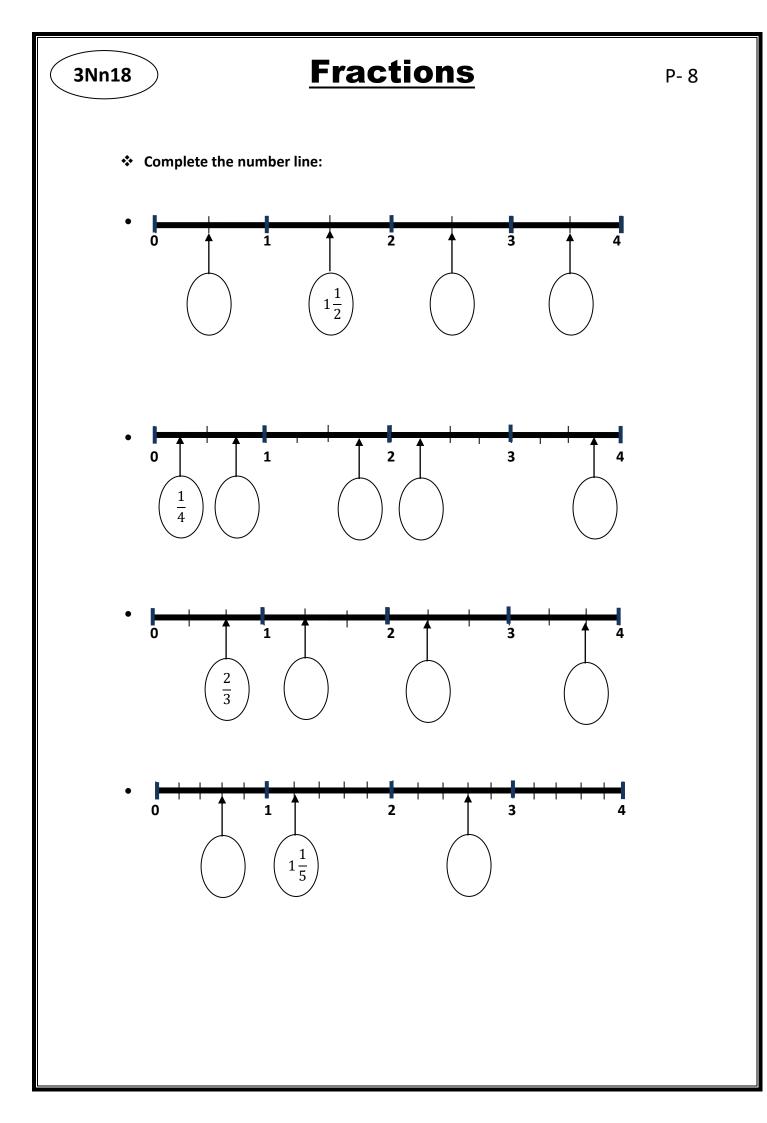


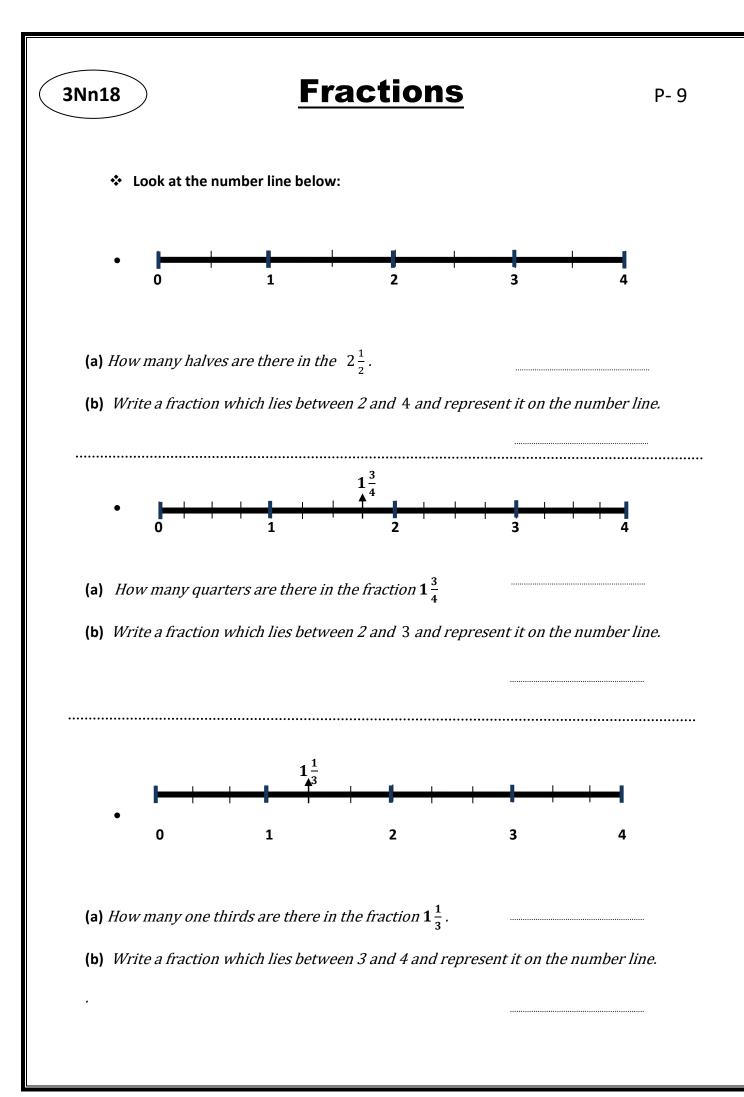












3Nn18

Fractions

Fraction Wall

1 whole										
<u>1</u> 2					<u>1</u> 2					
$\frac{1}{3}$				<u>1</u> 3	. <u>1</u> 3					
$\frac{1}{4}$			<u>1</u> 4			<u>1</u> 4		$\frac{1}{4}$		
<u>1</u> 5		<u>1</u> 5		, -;	5		<u>1</u> 5		<u>1</u> 5	
<u>1</u> 6	<u>1</u> 6	<u>1</u> 6		<u>1</u> 6	<u>1</u> 6		<u>1</u> 6		<u>1</u> 6	
<u>1</u> 8	1 8	1 8		<u>1</u> 8	<u>1</u> 8		<u>1</u> 8	<u>1</u> 8		<u>1</u> 8
$\frac{1}{10}$ $\frac{1}{1}$	1 1 10 1	0 7	1 10	1 10	1 10	1 10	1 1(5 :	<u>1</u> 10	<u>1</u> 10
$\frac{1}{12}$ $\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	1 12	$\frac{1}{12}$	$\frac{1}{12}$	1 12	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	1 10 1 12

• Observe the friction wall and answer the following :

- (a) Which is grater $\frac{3}{4}$ or $\frac{4}{5}$
- (b) Which is smaller $\frac{5}{12}$ or $\frac{4}{10}$

(c) Which of these are equal fractions $\frac{3}{6}$, $\frac{5}{8}$, $\frac{6}{12}$ and

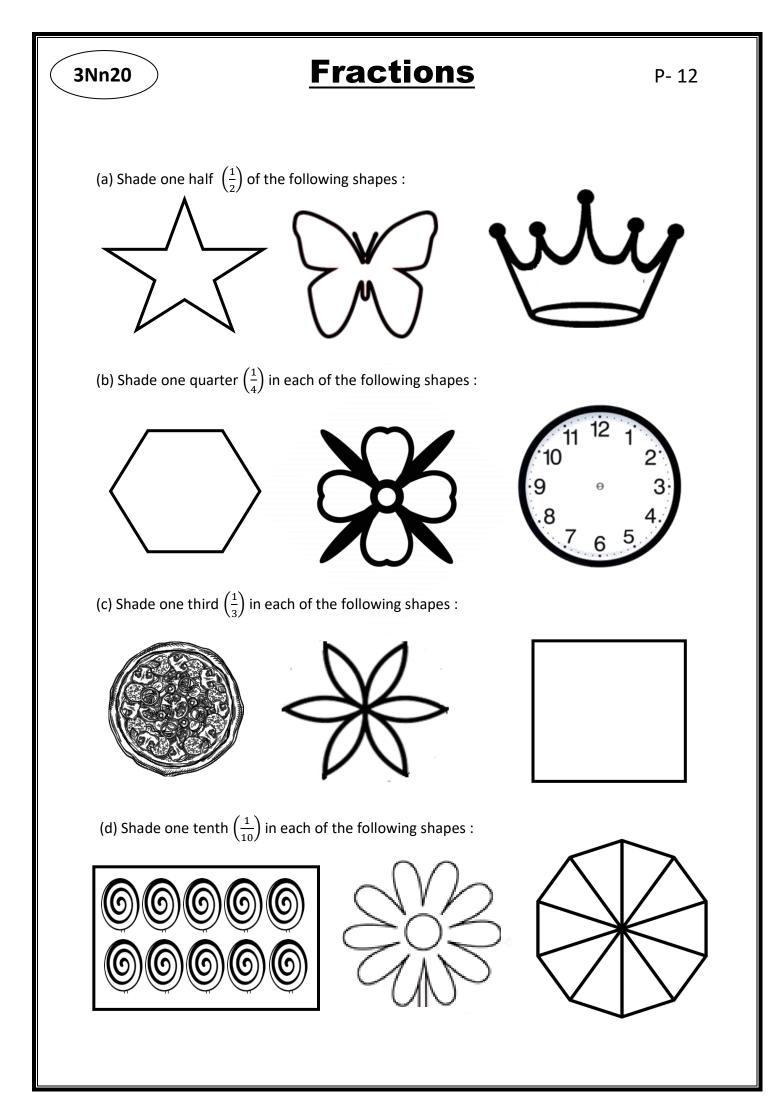
Between the two given fraction insert the correct option : (is grater than or is less than or is equal to)

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•••••

(d) $\frac{5}{6}$ $\frac{7}{8}$ (e) $\frac{3}{4}$ $\frac{9}{12}$ (f) $\frac{3}{8}$ $\frac{5}{10}$

3Nn19	F	raction	<u>S</u>	P- 11
Fraction to division:				
(a) Half of 6 $\frac{1}{2}$ of 6 = 3	as	6 ÷ 2 = 3	26	(2~2-6)
$\frac{1}{2}$ or 6 - 5	d5	0 - 2 - 3	as	(2×3=6)
(b) Half of 8				
$\frac{1}{2}$ of 8 = 4	as	8 ÷ 2 = 4	as	(2×4=8)
(c) Half of 10				
$\frac{1}{2}$ of 10 = 5	as	10 ÷ 2 = 5	as	(2×5=10)
(d) One third of 6				
$\frac{1}{3}$ of 6 = 2	as	6 ÷ 3 = 2	as	(3×2=6)
(e) One third of 15				
$\frac{1}{3}$ of 15 = 5	as	15 ÷ 3 = 5	as	(3×5=15)
(f) Two third of 6 $\frac{2}{3}$ of 6 = Two tir	$\operatorname{nes}\left(\frac{1}{3}of \ 6\right)$	= 2 × 2 = 4	as from part (d)	$\frac{1}{3}$ of 6 = 2
(g) Two third of 15				
$\frac{2}{3}$ of 15 = Two tin	$\operatorname{nes}\left(\frac{1}{3}of\ 15\right)$	$5) = 2 \times 5 = 10$	as from part (e)	$\frac{1}{3}$ of 15 = 5
(h) One quarter of 8				
$\frac{1}{4}$ of 8 = 2	as	8 ÷ 4 = 2	as	4 × 2 = 8
(i) Three quarter of 8				
$\frac{3}{4}$ of 8 = 3 times ($\left(\frac{1}{4}of 8\right) = 3$	8 × 2 = 6	as from part (h) $\frac{1}{4}$ of 8 = 2
(j) One tenth of 30 $\frac{1}{10}$ of 30 = 3	as	30÷10 = 3	as	10 × 3 = 30
(k) Seven tenth of 30 $\frac{7}{10}$ of 30 = 7 time	es $\left(\frac{1}{10}of 30\right)$	0) = 7 × 3 = 21	as from part (j)	$\frac{1}{10}$ of 30 = 3



3Nn20		Fractions	P- 13
		Exercise	
(a) Find	one half $\left(\frac{1}{2}\right)$	of the following numbers :	
	(i) 6		
	(i) 8		
	(i) 12		
(b) Find	one third $\left(\frac{1}{3}\right)$) of the following numbers :	
	(i) 6		
	(i) 12		
	(i) 15		
(c) Find	one quarter	$\left(\frac{1}{4}\right)$ of the following numbers :	
	(i) 8		
	(i) 12		
	(i) 16		
(d) Find	one tenth $\left(\frac{1}{2}\right)$	$\left(\frac{1}{10}\right)$ of the following numbers :	
	(i) 10		
	(i) 100		
	(i) 120		