## Y3/4 Place value, decimals and fractions Unit 2 (34428)

#### Additional teacher instructions for practice sheets

These notes indicate which practice sheets are most appropriate for which groups.

Day 1 Y3 Find  $\frac{1}{2}$  and  $\frac{1}{4}$  of numbers Sheet 1 Working towards ARE Cut out and fold strips of pictures.

Day 1 Y3 Find  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of numbers Sheet 2 Working at ARE / Greater Depth Working at ARE may use cubes or strips to help.

Day 1 Y4 Finding unit and non-unit fractions of amounts Sheet 3 Working towards ARE / Working at ARE / Greater Depth Greater Depth to complete the Challenge.

Day 2 Y3 Find  $\frac{1}{3}$  and  $\frac{2}{3}$  of numbers Sheet 1 Working towards ARE / Working at ARE

Day 2 Y3 Find  $\frac{1}{3}$  and  $\frac{2}{3}$  of numbers Sheet 2 Working at ARE / Greater Depth

Day 2 Y4 Finding tenths and fifths Sheet 3 Working towards ARE / Working at ARE / Greater Depth Greater Depth to attempt the Challenge.

Day 3 Y3 Labelling fractions Sheet 1 Working towards ARE / Working at ARE

Day 3 Y3 Labelling fractions Sheet 2 Greater Depth

Day 3 Y4 Finding tenths Sheet 3 Working towards ARE / Working at ARE / Greater Depth Greater Depth to attempt the Challenge.





	2 7			
	32	1	1	
<sup>1</sup> / <sub>8</sub> of 32 is				
<sup>2</sup> / <sub>8</sub> of 32 is	<u> </u>	f 32 is		
<sup>3</sup> / <sub>8</sub> of 32 is				
48 of 32 is	<u> </u>	f 32 is		
58 of 32 is				
§ of 32 is	$\frac{3}{4}$ O	f 32 is		
<sup>7</sup> / <sub>8</sub> of 32 is		(		
© 0T 32 IS	<u> </u>	† 32 is —		
	30			
	·	· · ·	·	
$\frac{1}{6}$ OI 30 IS				
$\frac{3}{6}$ of 30 is				
4 of 30 is				
5 of 30 is				
é of 30 is				
•				



# Find $\frac{1}{3}$ and $\frac{2}{3}$ of numbers

Sheet 2

### Section A

Use cubes or number facts to help work out  $\frac{1}{3}$  and  $\frac{2}{3}$  of these numbers:

1.	$\frac{1}{3}$ of 21	$\frac{2}{3}$ of 21	2.	$\frac{1}{3}$ of 27	$\frac{2}{3}$ of 27
3.	$\frac{1}{3}$ of 33	$\frac{2}{3}$ of 33	4.	$\frac{1}{3}$ of 30	$\frac{2}{3}$ of 30
5.	$\frac{1}{3}$ of 36	$\frac{2}{3}$ of 36			

## Section **B**

Use number facts and place value to help work out  $\frac{1}{3}$  and  $\frac{2}{3}$  of these numbers:

1.	$\frac{1}{3}$ of 30	$\frac{2}{3}$ of 30	2.	$\frac{1}{3}$ of 300	$\frac{2}{3}$ of 300
3.	$\frac{1}{3}$ of 60	$\frac{2}{3}$ of 60	<b>4</b> .	$\frac{1}{3}$ of 600	$\frac{2}{3}$ of 600
5.	$\frac{1}{3}$ of 90	$\frac{2}{3}$ of 90	6.	$\frac{1}{3}$ of 900	$\frac{2}{3}$ of 900



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Finding tenths and fifths								
Sheet 3								
			4	0				
$\frac{1}{2}$ of 40 is								
$\frac{2}{10}$ of 40 is	·			<u>1</u> 0	f 40 is			
$\frac{3}{10}$ of 40 is				50	1 40 13			
$\frac{4}{10}$ of 40 is				<sup>2</sup> 0	f 40 is			
$\frac{5}{10}$ of 40 is	;			50	1 -0 13			
≜ of 40 is	;			$\frac{3}{5}$ O	f 40 is			
<sup>7</sup> / <sub>10</sub> of 40 is	5			5 -				
<sup>8</sup> / <sub>10</sub> of 40 is	5			$\frac{4}{5}$ O	f 40 is			
9 10 of 40 is				5				
<sup>10</sup> / <sub>10</sub> of 40 is	5							
			7	0				
	I						<u> </u>	
$\frac{2}{10}$ of 70 is	, <u> </u>			<u>1</u> 0	f 70 is			
$\frac{3}{10}$ of 70 is	5							
$\frac{4}{10}$ of 70 is				$\frac{2}{5}$ O	f 70 is			
5 of 70 is	5			. J -	-			
<u><sup>6</sup></u> of 70 is	5			$\frac{3}{5}$ O	f 70 is			
7 <sub>10</sub> of 70 is	5							
8/10 of 70 is				$\frac{4}{5}$ O	f 70 is			
<sup>9</sup> / <sub>10</sub> of 70 is	5							
10 of 70 is								
Challenge	)							
Tariq says that $\frac{1}{5}$ of 60 is the same as $\frac{2}{10}$ of 50. Use a bar model or fraction wall to show whether he is correct.								
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# Place value, decimals and fractions

Answers

Day 2 Y3 Find $\frac{1}{3}$ and	$\frac{2}{3}$ of numbers Sheet 1
$\frac{1}{3}$ of 9 = 3	$\frac{2}{3}$ of 9 = 6
$\frac{1}{3}$ of 6 = 2	$\frac{2}{3}$ of 6 = 4
$\frac{1}{3}$ of 12 = 4	$\frac{2}{3}$ of 12 = 8
$\frac{1}{3}$ of 18 = 6	$\frac{2}{3}$ of 18 = 12
$\frac{1}{3}$ of 24 = 8	$\frac{2}{3}$ of 24 = 16

# Day 2 Y3 Find $\frac{1}{3}$ and $\frac{2}{3}$ of numbers Sheet 2 Section A

1.	$\frac{1}{3}$ of 21 = 7	$\frac{2}{3}$ of 21 = 14
2.	$\frac{1}{3}$ of 27 = 9	$\frac{2}{3}$ of 27 = 18
3.	$\frac{1}{3}$ of 33 = 11	$\frac{2}{3}$ of 33 = 22
<b>4</b> .	$\frac{1}{3}$ of 30 = 10	$\frac{2}{3}$ of 30 = 20
5.	$\frac{1}{3}$ of 36 = <b>12</b>	$\frac{2}{3}$ of 36 = 24
Se	ction B	
1.	$\frac{1}{3}$ of 30 = 10	$\frac{2}{3}$ of 30 = 20
2.	$\frac{1}{3}$ of 300 = 100	$\frac{2}{3}$ of 300 = 200
3.	$\frac{1}{3}$ of 60 = 20	$\frac{2}{3}$ of 60 = 40
<b>4</b> .	$\frac{1}{3}$ of 600 = 200	$\frac{2}{3}$ of 600 = 400
5.	$\frac{1}{3}$ of 90 = 30	$\frac{2}{3}$ of 90 = 60
6.	$\frac{1}{3}$ of 900 = 300	$\frac{2}{3}$ of 900 = 600

### Challenge

When you find  $\frac{1}{3}$  of 34, there are 3 groups of 11 and 1 left over.  $\frac{1}{3}$  of 35 is 11 and 2 left over.

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