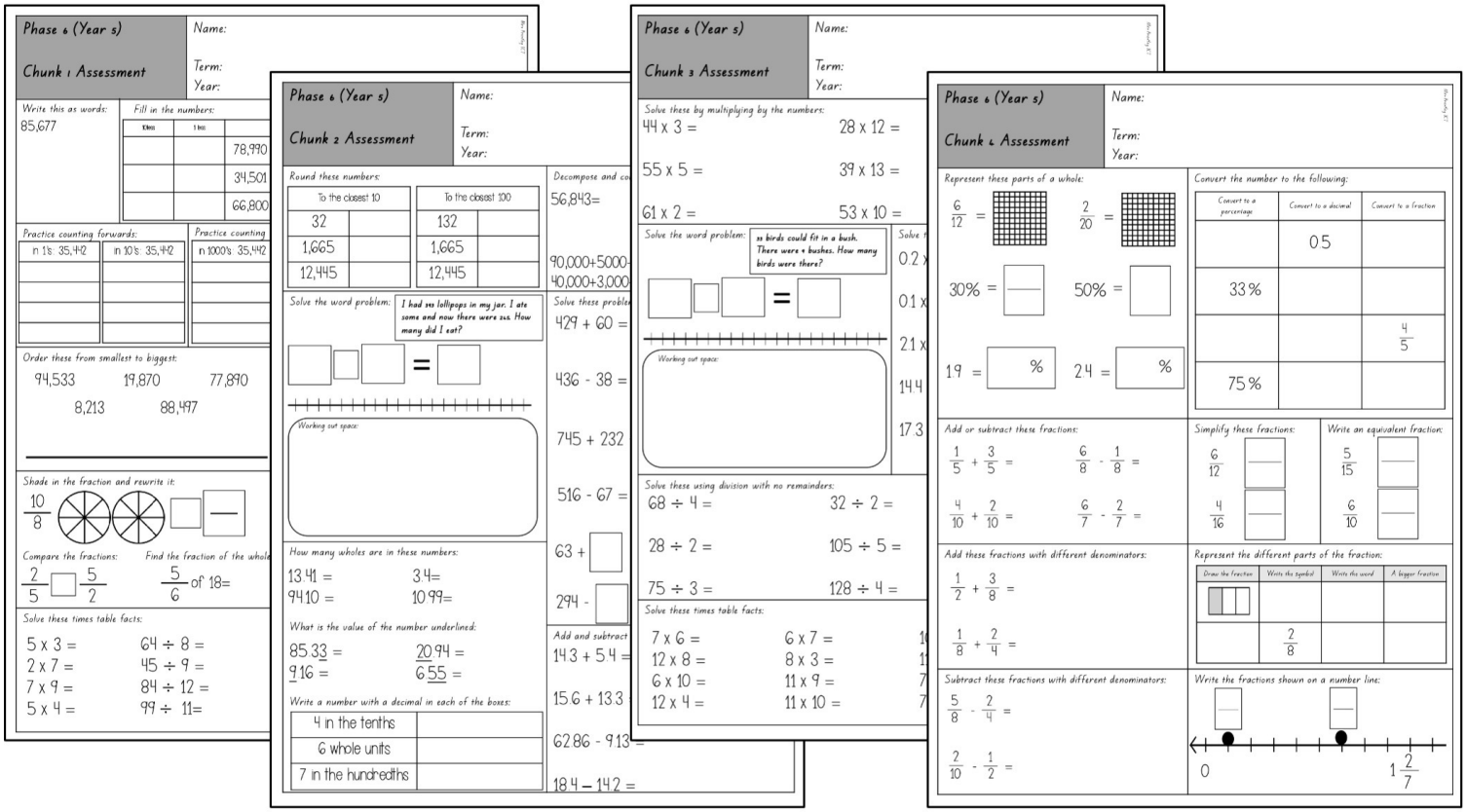
Structured Maths Approach Assessments

These assessments are a great way to pre or post check the learning that appears in each chunk and lesson within the phase. These could be used in many ways to inform your lessons, your start point and to see how the chunk of learning has gone for your students.

Each phase assessment is split into four chunks (to match each chunk of learning) with a question that can be matched back to each lesson. You will then be able to see what still needs to be worked on or covered in your teaching time.

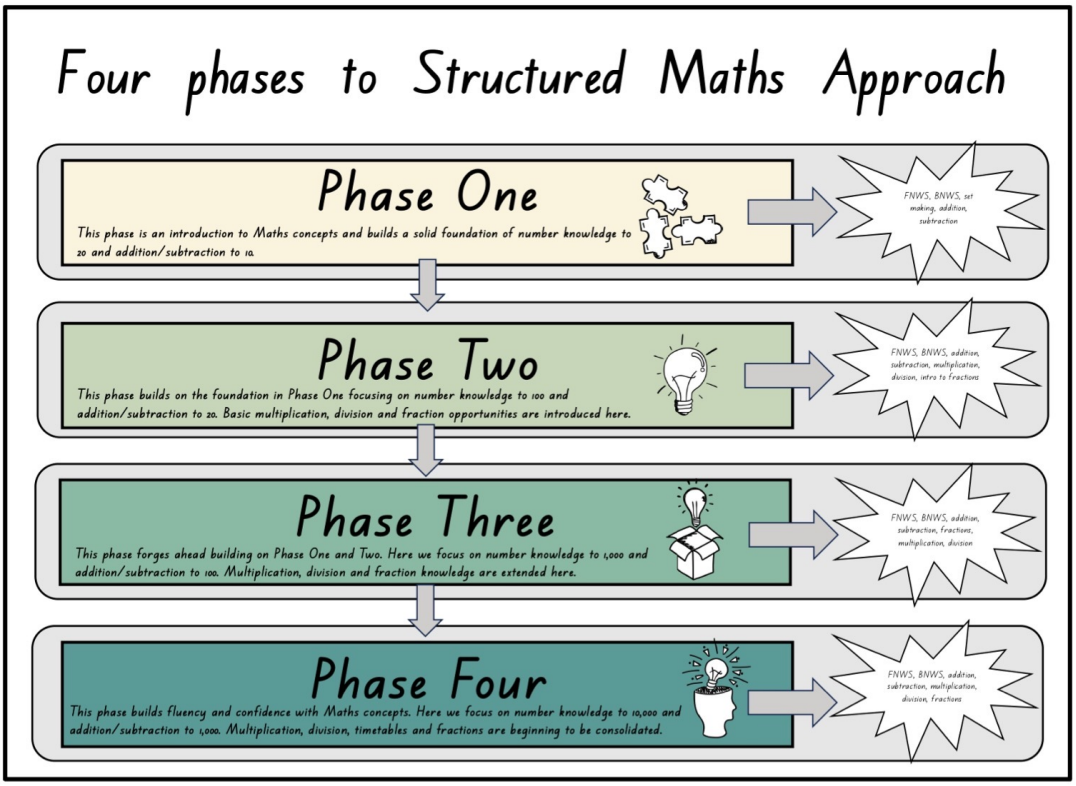


Simply print off the chunk you are looking to assess, complete with students and then review their answers.

You could complete another check of the chunk assessment at the end of the time period; or simply that one lesson of questions again.

The Four Phases breakdown to Structured Maths Approach

Here is the complete breakdown to Structured Maths Approach across the four phases and what each chunk will cover with their lessons.



Phase 1 (Year 0 or New Entrants)			
Chunk 1 Numbers 1–10	Chunk 2 Add and subtract to 5	Chunk 3 Numbers 11–20	Chunk 4 Add and subtract to 10

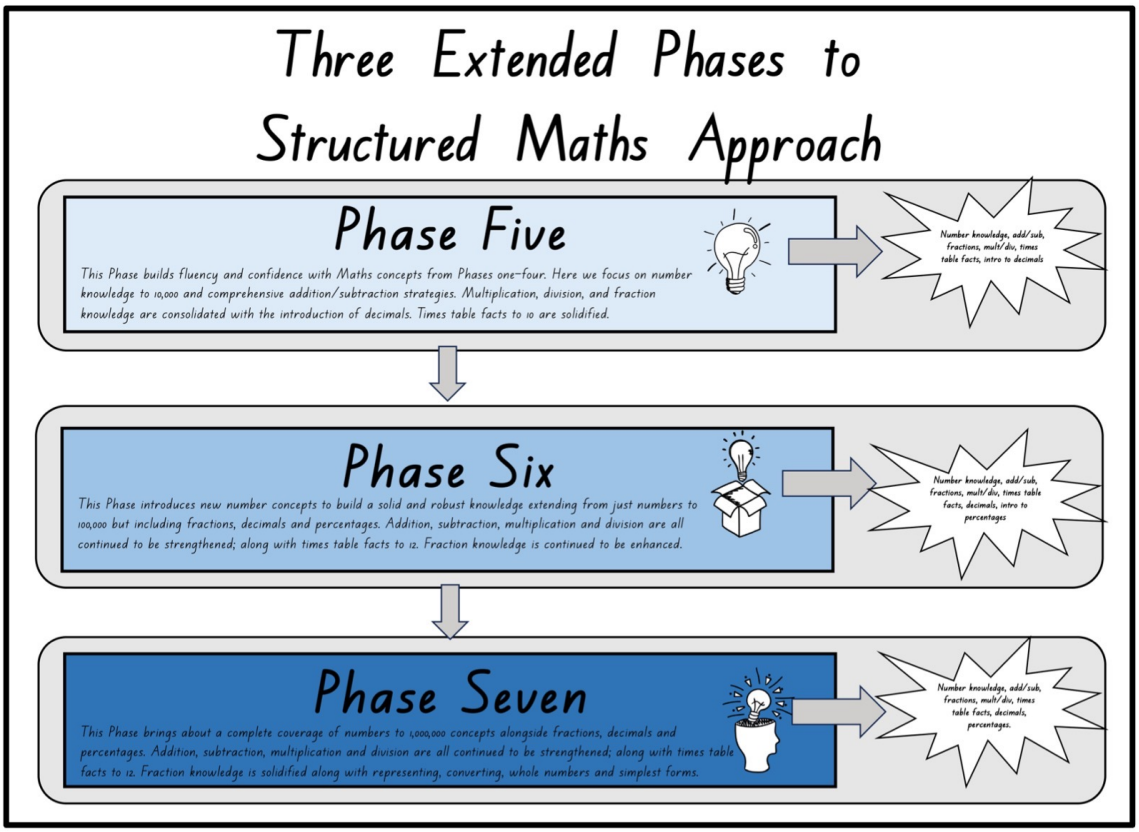
Phase 2 (Year 1)			
Chunk 1 Numbers 1–100	Chunk 2 Add and subtract to 20	Chunk 3 Number Add and subtract to 20 Fractions	Chunk 4 Multiplication and division Fractions

Phase 3 (Year 2)			
Chunk 1 Numbers 1–1,000	Chunk 2 Add and subtract to 100	Chunk 3 Number Add and subtract to 100 Fractions	Chunk 4 Multiplication and division Fractions

Phase 4 (Year 3)			
Chunk 1 Numbers 1–10,000	Chunk 2 Add and subtract to 1,000	Chunk 3 Add and subtract to 1,000 Multiplication and division	Chunk 4 Add and subtract to 1,000 Multiplication and division Fractions

The Three Extended Phases Structured Maths Approach breakdown

Here is the complete breakdown to the extended Structured Maths Approach across the last three additional phases and what each chunk will cover within their lessons. This has been an add-on to the initial Structured Maths Approach plan due to high teacher demand and the need for a continuation for students in higher year groups.



Phase 5 (Year 4)			
Chunk 1 Numbers 1–10,000	Chunk 2 Addition and subtraction	Chunk 3 Multiplication and division	Chunk 4 Fractions

Phase 6 (Year 5)			
Chunk 1 Numbers 1–100,000 Fractions	Chunk 2 Number Addition and subtraction	Chunk 3 Multiplication and division	Chunk 4 Fractions

Phase 7 (Year 6)			
Chunk 1 Numbers 1–1,000,000 Fractions	Chunk 2 Number Addition and subtraction	Chunk 3 Multiplication and division	Chunk 4 Fractions

Phase 6 (Year 5)

Chunk 1 Assessment

Name:

Term:

Year:

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Write this as words:

85,677

Fill in the numbers:

10less	1 less		1 more	10more
		78,990		
		34,501		
		66,800		

How many are in these:

	How many 2's	How many 5's
97		
70		
31		

Practice counting forwards:

in 1's: 35,442	in 10's: 35,442

Practice counting backwards:

in 1000's: 35,442	in 100's: 35,442

Decompose and compose these numbers:

56,843=

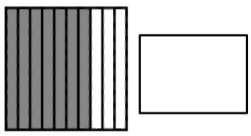
90,000+5000+600+70+5=

Order these from smallest to biggest:

94,533 19,870 77,890

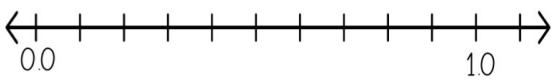
8,213 88,497

Write down the decimal:

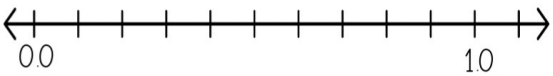


Draw the decimals on the number line:

0.5 =

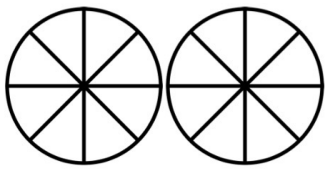


0.85 =



Shade in the fraction and rewrite it:

$\frac{10}{8}$



Compare the fractions:

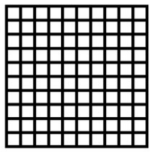
$\frac{2}{5}$ ☐ $\frac{5}{2}$

Find the fraction of the whole:

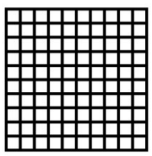
$\frac{5}{6}$ of 18=

Shade in the percentages:

45%



13%



Put the percentages in order from largest to smallest:

45% 88% 71 % 82% 16 %

Solve these times table facts:

5 x 3 =	64 ÷ 8 =	28 ÷ 4 =	100 ÷ ☐ = 10
2 x 7 =	45 ÷ 9 =	6 x 12 =	3 x ☐ = 33
7 x 9 =	84 ÷ 12 =	144 ÷ 12 =	☐ ÷ 12 = 4
5 x 4 =	99 ÷ 11=	7 x 9 =	9 x ☐ = 27

Phase 6 (Year 5)

Chunk 2 Assessment

Name:

Term:

Year:

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Round these numbers:

To the closest 10	
32	
1,665	
12,445	

To the closest 100	
132	
1,665	
12,445	

Decompose and compose these numbers:

56,843=

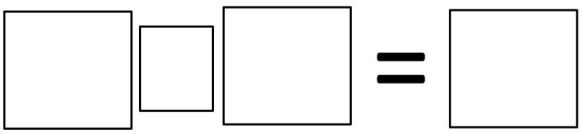
32,007=

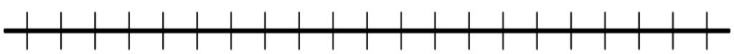
90,000+5000+600+70+5=

40,000+3,000+900+8=

Solve the word problem:

I had 393 lollipops in my jar. I ate some and now there were 245. How many did I eat?





Working out space:

Solve these problems using a strategy that you know:

429 + 60 =

436 - 38 =

745 + 232 =

516 - 67 =

63 + ☐ = 192

294 - ☐ = 108

How many wholes are in these numbers:

13.41 =

3.4=

94.10 =

10.99=

What is the value of the number underlined:

85.33 =

20.94 =

9.16 =

6.55 =

Write a number with a decimal in each of the boxes:

4 in the tenths	
6 whole units	
7 in the hundredths	

Add and subtract these decimals together:

14.3 + 5.4 =

15.6 + 13.3 =

62.86 - 9.13 =

18.4 – 14.2 =

Phase 6 (Year 5) Chunk 3 Assessment	Name: Term: Year:

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Solve these by multiplying by the numbers:

44 x 3 =

28 x 12 =

149 x 8 =

55 x 5 =

39 x 13 =

17 x 5 =

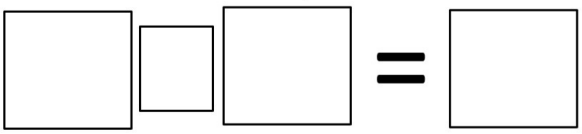
61 x 2 =

53 x 10 =

12 x 16 =

Solve the word problem:

33 birds could fit in a bush. There were 9 bushes. How many birds were there?



Working out space:

Solve these multiplication decimals:

0.2 x 3 =

0.1 x 8 =

2.1 x 7 =

14.4 x 2 =

17.3 x 5 =

Solve these using division with no remainders:

68 ÷ 4 =

32 ÷ 2 =

48 ÷ 2 =

28 ÷ 2 =

105 ÷ 5 =

144 ÷ 9 =

75 ÷ 3 =

128 ÷ 4 =

170 ÷ 10 =

Solve these times table facts:

7 x 6 =

6 x 7 =

16 ÷ 4 =

100 ÷ 10 =

12 x 8 =

8 x 3 =

110 ÷ 10 =

49 ÷ 7 =

6 x 10 =

11 x 9 =

75 ÷ 5 =

64 ÷ 8 =

12 x 4 =

11 x 10 =

72 ÷ 8 =

24 ÷ 3 =

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Phase 6 (Year 5)

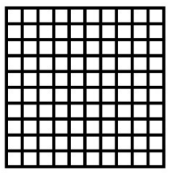
Chunk 4 Assessment

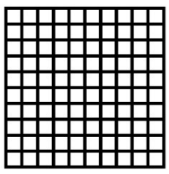
Name:

Term:

Year:

Represent these parts of a whole:

$\frac{6}{12}$ = 

$\frac{2}{20}$ = 

30% = ____

50% = ____

1.9 = ____ %

2.4 = ____ %

Convert the number to the following:

Convert to a percentage	Convert to a decimal	Convert to a fraction
	0.5	
33%		
		$\frac{4}{5}$
75%		

Add or subtract these fractions:

$\frac{1}{5} + \frac{3}{5}$ =

$\frac{6}{8} - \frac{1}{8}$ =

$\frac{4}{10} + \frac{2}{10}$ =

$\frac{6}{7} - \frac{2}{7}$ =

Simplify these fractions:

$\frac{6}{12}$ = ____

$\frac{4}{16}$ = ____

Write an equivalent fraction:

$\frac{5}{15}$ = ____

$\frac{6}{10}$ = ____

Add these fractions with different denominators:

$\frac{1}{2} + \frac{3}{8}$ =

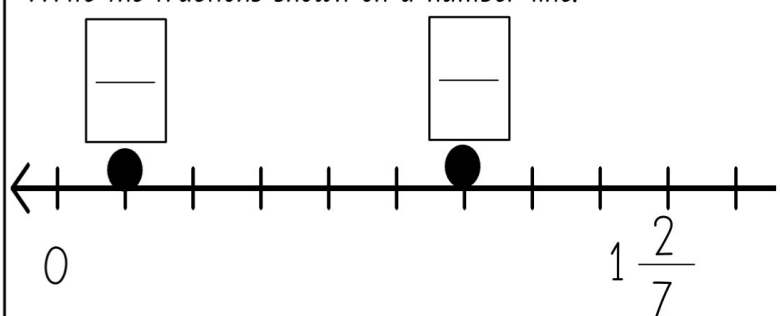
$\frac{1}{8} + \frac{2}{4}$ =

Represent the different parts of the fraction:

Draw the fraction	Write the symbol	Write the word	A bigger fraction
	$\frac{2}{8}$		

Subtract these fractions with different denominators:

$\frac{5}{8} - \frac{2}{4}$ =

$\frac{2}{10} - \frac{1}{2}$ =

Write the fractions shown on a number line: