

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.

Phase 5 (Year 4)		Name:	
Chunk 1 Assessment		Term: Year:	
What comes after these numbers:	Write these numbers as words:		
2,301	5,702		
5,551	1,119		
Write down the numbers counting forwards:			
in 1's: 5,442	in 10's: 5,442	in 100's: 5,442	
Order these from smallest to biggest:			
4,533	9,870		
Represent these:			
1,165 =	1,000		
3,451 =	3,000		
Solve these times table facts:			
5 x 3 =	1 x 3 =		
2 x 7 =	4 x 8 =		
7 x 9 =	11 x 6 =		
5 x 4 =	6 x 5 =		

Phase 5 (Year 4)		Name:	
Chunk 2 Assessment		Term: Year:	
Order the decimals from smallest to largest:			
0.5	0.25	0.9	0.7
0.1	0.75	0.3	0.2
Solve the word problem:			
I had 100 lollipops in my jar. I ate some and now there were 10. How many did I eat?			
Working out space:			
Solve these sums using decimals:			
0.4 + 0.3 =	0.8 - 0.3 =		
0.7 + 0.2 =	0.7 - 0.5 =		
1.3 + 1.3 =	2.6 - 1.1 =		
2.5 + 1.1 =	3.4 - 1.2 =		
9.4 + 7.4 =	6.5 - 2.3 =		

Phase 5 (Year 4)		Name:	
Chunk 3 Assessment		Term: Year:	
Solve these by multiplying by 1 number:			
44 x 3 =			
55 x 5 =			
61 x 2 =			
Solve the word problem:			
10 birds could fit in a bush. There were 10 bushes. How many birds were there?			
Working out space:			
Solve these using division with no remainders:			
68 ÷ 4 =	32 ÷ 2 =		
28 ÷ 2 =	105 ÷ 5 =		
75 ÷ 3 =	128 ÷ 4 =		
Solve these times table facts:			
7 x 6 =	6 x 7 =		
12 x 8 =	8 x 3 =		
6 x 10 =	11 x 9 =		
12 x 4 =	11 x 10 =		

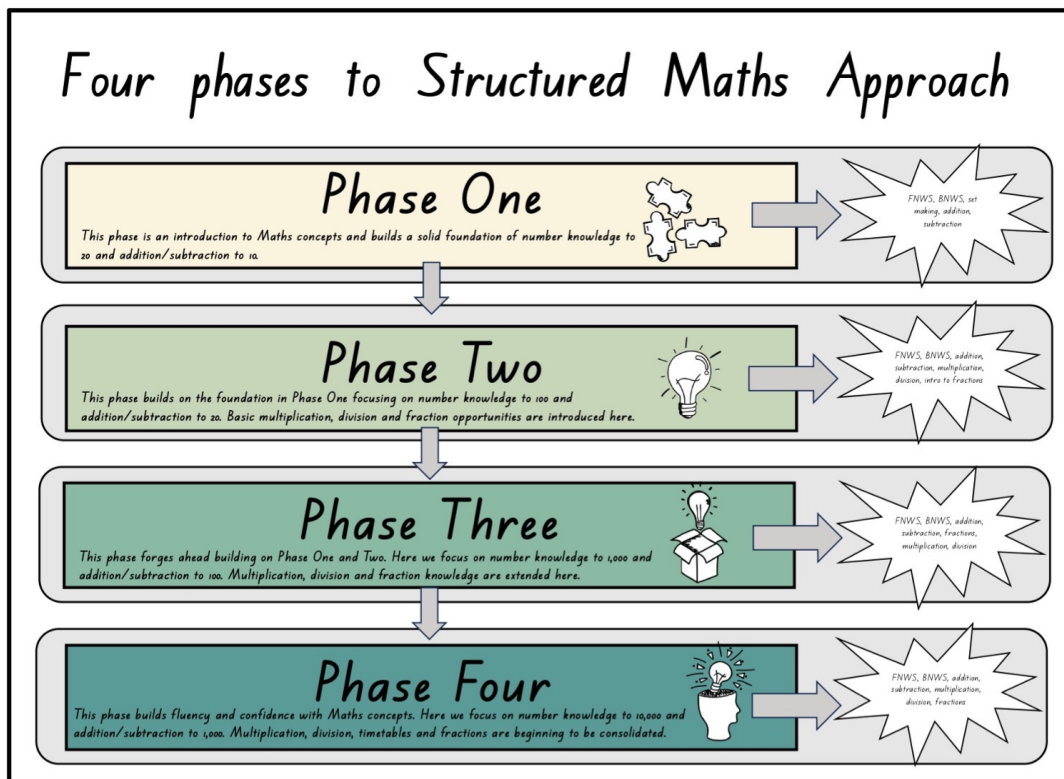
Phase 5 (Year 4)		Name:	
Chunk 4 Assessment		Term: Year:	
Solve these using addition and subtraction strategies:		Solve these using multiplication and division strategies:	
210 + 210 =		27 x 4 =	
499 + 66 =		31 x 20 =	
139 + 60 =		14 x 14 =	
877 - 85 =		81 ÷ 3 =	
943 - 180 =		140 ÷ 5 =	
Solve these fractions:		Write an equivalent fraction:	
$\frac{1}{5} + \frac{3}{5} =$	$\frac{6}{8} - \frac{1}{8} =$	$\frac{2}{6}$	$\frac{3}{12}$
$\frac{4}{10} + \frac{2}{10} =$	$\frac{6}{7} - \frac{2}{7} =$	$\frac{4}{8}$	$\frac{4}{10}$
Show the fraction greater than 1:		Order these fractions from smallest to biggest:	
$\frac{9}{5}$	$\frac{14}{8}$		
Solve these times table facts:		Show the fractions on a number line:	
7 x 5 =	28 ÷ 4 =		
12 x 8 =	120 ÷ 10 =		
6 x 5 =	35 ÷ 5 =		
12 x 10 =	40 ÷ 4 =		

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
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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
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Phase 3 (Year 2)

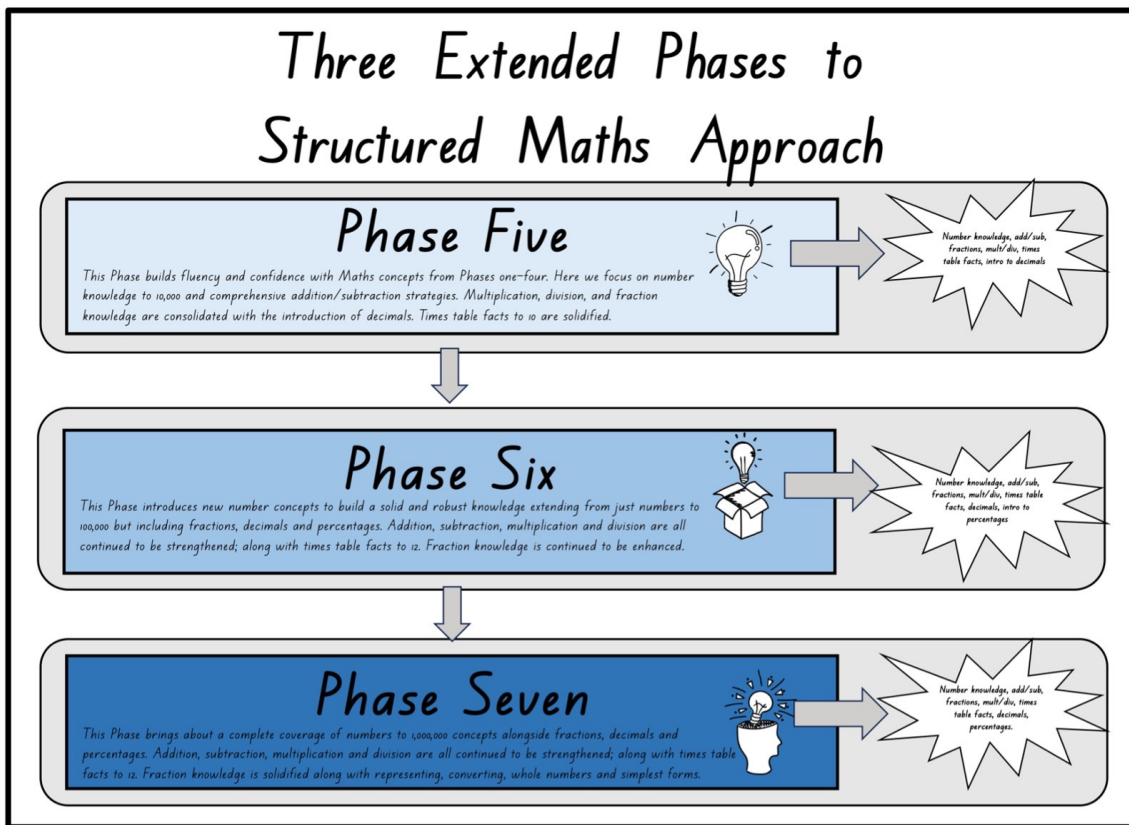
Chunk 1 Numbers 1-1,000	Chunk 2 Add and subtract to 100	Chunk 3 Number Add and subtract to 100 Fractions	Chunk 4 Multiplication and division Fractions
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Phase 4 (Year 3)

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
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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

What comes after these numbers:

2,301

5,551

Write these numbers as words:

5,702

1,119

What comes before these numbers:

6,390

9,800

Write this as number digits:

Five thousand, three hundred and twenty.

Nine thousand, four hundred and seventy eight.

Write down the numbers counting forwards:

in 1's: 5,442

in 10's: 5,442

in 100's: 5,442

Write down the numbers counting backwards:

in 1's: 5,442

in 10's: 5,442

in 100's: 5,442

Order these from smallest to biggest:

4,533

9,870

7,890

213

897

Represent these:

1,165 = 
1,000 1,500

3,451 = 
3,000 4,000

Decompose these numbers:

1,657 =

6,843 =

Compose these numbers:

5000+70+5=

1000+600+90+2=

Solve these times table facts:

$5 \times 3 =$

$2 \times 7 =$

$7 \times 9 =$

$5 \times 4 =$

$1 \times 3 =$

$4 \times 8 =$

$11 \times 6 =$

$6 \times 5 =$

$64 \div 8 =$

$45 \div 9 =$

$84 \div 12 =$

$99 \div 11 =$

$3 \div 0 =$

$12 \div 2 =$

$25 \div 5 =$

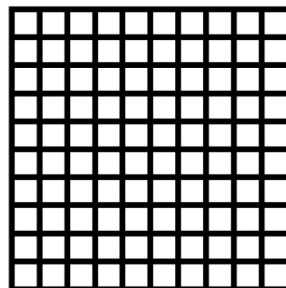
$70 \div 10 =$

Order the decimals from smallest to largest:

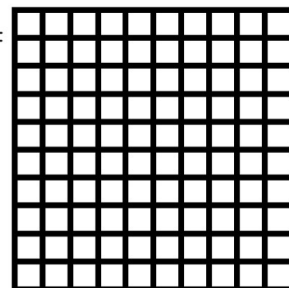
0.5 0.25 0.9 0.7 0.4=

0.1 0.75 0.3 0.2

Shade the decimals:



0.65=



Solve the word problem:

I had 343 lollipops in my jar. I ate some and now there were 178. How many did I eat?

$$\boxed{} - \boxed{} = \boxed{}$$



Working out space:

Solve these sums using decimals:

$0.4 + 0.3 =$

$0.8 - 0.3 =$

$0.7 + 0.2 =$

$0.7 - 0.5 =$

$1.3 + 1.3 =$

$2.6 - 1.1 =$

$2.5 + 1.1 =$

$3.4 - 1.2 =$

$9.4 + 7.4 =$

$6.5 - 2.3 =$

Solve these problems using a strategy that you know:

$369 + 115 =$

$436 - 38 =$

$745 + 232 =$

$516 - 67 =$

$678 + 31 =$

$349 - 61 =$

$521 + \boxed{} = 736$

$220 - 36 =$

Solve these by multiplying by 1 number:

$44 \times 3 =$

$55 \times 5 =$

$61 \times 2 =$

Solve these by multiplying by 2 numbers:

$28 \times 12 =$

$39 \times 13 =$

$53 \times 10 =$

Solve the word problem:

3 birds could fit in a bush. There were 13 bushes. How many birds were there?

$$\boxed{} \times \boxed{} = \boxed{}$$

Working out space:

Add these using addition or subtraction strategy you know:

$374 - 5 =$

$785 - 144 =$

$758 + 122 =$

$623 + 198 =$

$237 + 89 =$

Working out space:

Solve these using division with no remainders:

$68 \div 4 =$

$32 \div 2 =$

$28 \div 2 =$

$105 \div 5 =$

$75 \div 3 =$

$128 \div 4 =$

Solve these times table facts:

$7 \times 6 =$

$6 \times 7 =$

$12 \times 8 =$

$8 \times 3 =$

$6 \times 10 =$

$11 \times 9 =$

$12 \times 4 =$

$11 \times 10 =$

$16 \div 4 =$

$110 \div 10 =$

$75 \div 5 =$

$72 \div 8 =$

$100 \div 10 =$

$49 \div 7 =$

$64 \div 8 =$

$24 \div 3 =$

Solve these using addition and subtraction strategies:

$$210 + 210 =$$

$$499 + 66 =$$

$$139 + 60 =$$

$$877 - 85 =$$

$$943 - 180 =$$

Solve these using multiplication and division strategies:

$$27 \times 4 =$$

$$31 \times 20 =$$

$$14 \times 14 =$$

$$81 \div 3 =$$

$$140 \div 5 =$$

Add or subtract these fractions:

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

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

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

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

Add these fractions:

$$\frac{1}{2} + \frac{3}{4} =$$

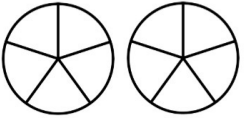
$$\frac{1}{3} + \frac{2}{4} =$$

Write an equivalent fraction:

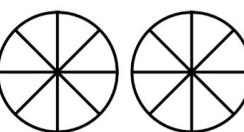
$$\frac{2}{6}$$

$$\frac{4}{8}$$

Show the fraction greater than 1:

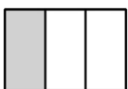
$$\frac{9}{5}$$


$$=$$

$$\frac{14}{8}$$


$$=$$

Represent the different parts of the fraction:

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

Solve these times table facts:

$$7 \times 5 =$$

$$28 \div 4 =$$

$$12 \times 8 =$$

$$120 \div 10 =$$

$$6 \times 5 =$$

$$35 \div 5 =$$

$$12 \times 10 =$$

$$40 \div 4 =$$

Write the fractions shown on a number line:

