

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 7 (Year 4)
Name:

Chunk 1 Assessment
Term:
Year:

Write this as words:
385,077

Fill in the numbers:

100s	1000s
278,990	
139,501	
966,800	

How many are in these:

thirty 7s	thirty 7s
397	
270	
49	

Practice counting forwards:
n 100's 385,492

Practice counting back:
n 1000's 535,492

Order these from smallest to biggest:
94,533 109,870 477,890
875,213 808,497

Shade in the fraction and rewrite it:
 $\frac{13}{8}$

Write this as a fraction:

Solve these times table facts:

$12 \times 3 =$	$64 \div 8 =$	28
$10 \times 7 =$	$45 \div 9 =$	9
$8 \times 9 =$	$84 \div 12 =$	24
$5 \times 5 =$	$99 \div 11 =$	6

Phase 7 (Year 4)
Name:

Chunk 3 Assessment
Term:
Year:

Solve these by multiplying by the numbers:
 $111 \times 12 =$
 $140 \times 15 =$
 $53 \times 3 =$

Show the family of facts:
 $5 \times 8 =$

$\square \times \square = \square$	$\square \div \square = \square$
$\square \times \square = \square$	$\square \div \square = \square$

Solve the word problem:
a birds could fit in a bush. There were 8 bushes. How many birds were there?

\square	\square	\square	$=$	\square
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Solve these decimals:
 $0.2 \times 3 =$
 $0.1 \times 8 =$
 $2.1 \times 7 =$
 $14.4 \times 2 =$
 $17.3 \times 5 =$

Simplify these fractions:

$\frac{2}{10}$	$\frac{5}{15}$
$\frac{14}{18}$	$\frac{6}{10}$

Convert the number to the following:

Convert to a percentage	Convert to a decimal	Convert to a fraction
	0.61	
	90%	
	25%	
	39%	
	0.4	

Find these fractions of a whole:

$\frac{2}{10}$ of 60 =	$\frac{3}{5}$ of 66 =
$\frac{4}{5}$ of 80 =	$\frac{4}{11}$ of 77 =

Find these decimals of a whole:

0.5 of 24 =	0.1 of 100 =
0.3 of 18 =	0.75 of 40 =

Find these percentages of a whole:

20% of 50 =	50% of 80 =
10% of 100 =	90% of 27 =

Working out space:

Subtract these fractions:

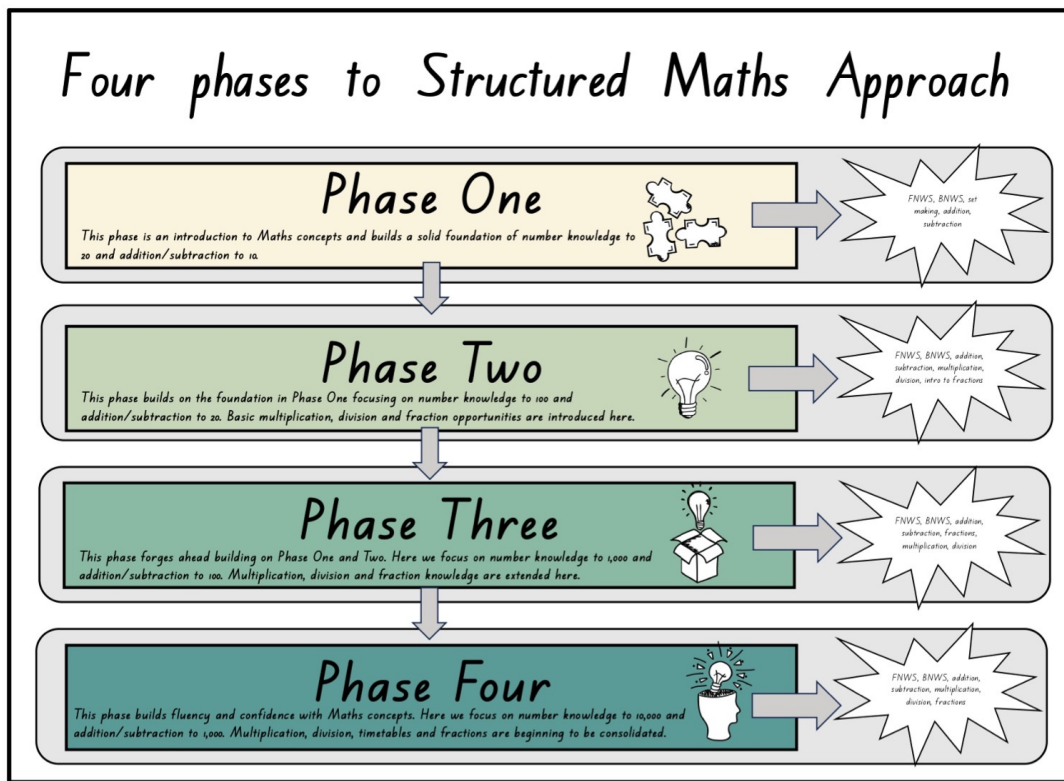
$\frac{5}{8} - \frac{1}{4} =$
$\frac{8}{10} - \frac{1}{2} =$

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)

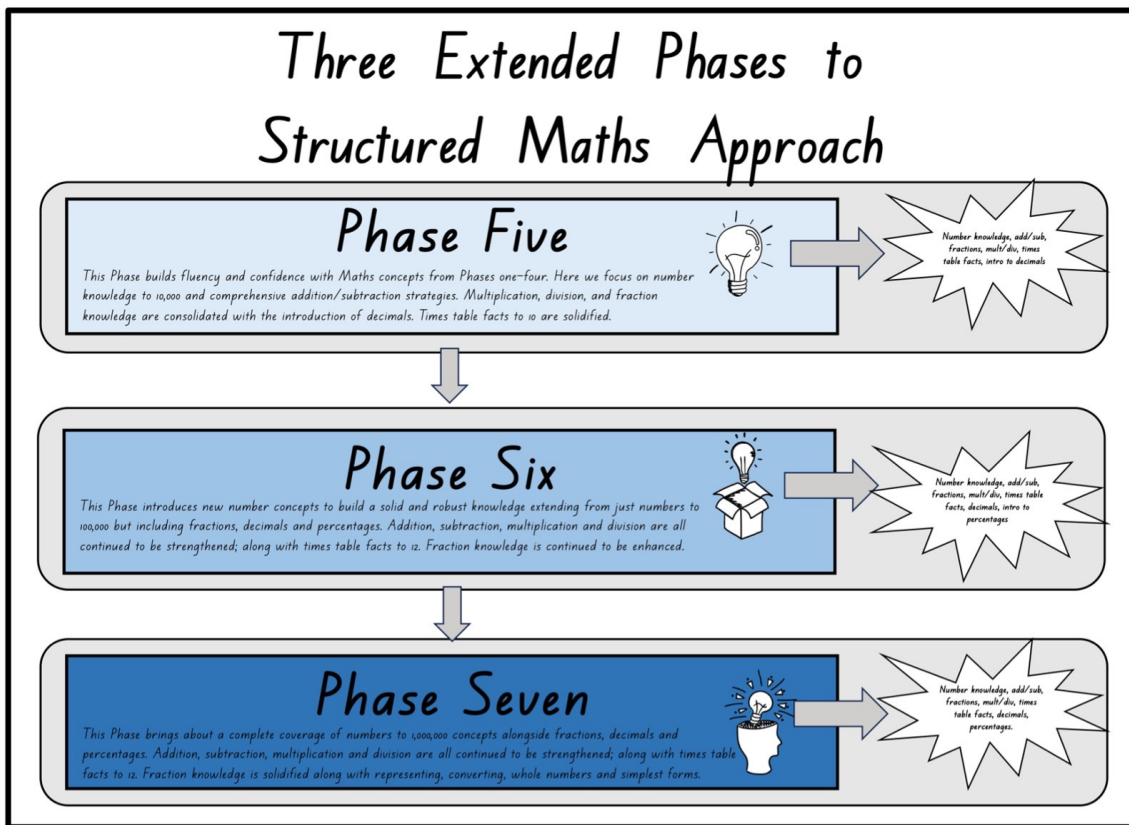
Chunk 1 Numbers 1-1,000	Chunk 2 Add and subtract to 100	Chunk 3 Number Add and subtract to 100 Fractions	Chunk 4 Multiplication and division Fractions
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Phase 4 (Year 3)

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

Write this as words:

385,077

Fill in the numbers:

10 less		100 more	1,000 more
	278,990		
	434,501		
	966,800		

How many are in these:

	How many 2's	How many 5's
397		
270		
40		

Practice counting forwards:

in 100's: 305,442	in 1,000's: 315,740

Practice counting backwards:

in 1000's: 535,442	in 10's: 805,412

Write the factors of these numbers:

90

16

Order these from smallest to biggest:

94,533

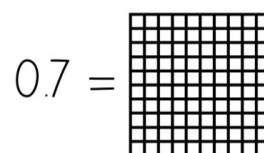
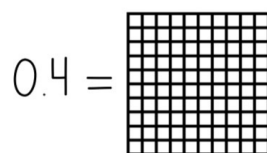
109,870

477,890

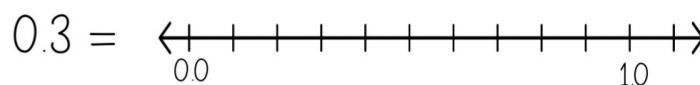
875,213

808,497

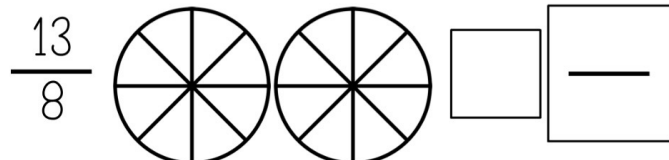
Shade in the decimal:



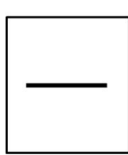
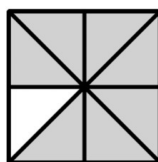
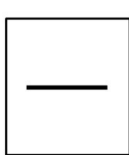
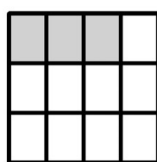
Draw the decimal on the number line:



Shade in the fraction and rewrite it:

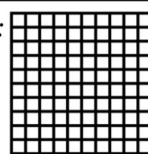


Write this as a fraction:

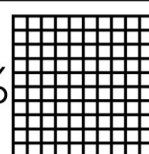


Shade in the percentages:

20%



75%



Put the percentages in order from largest to smallest:

14%

79%

97%

80%

66%

Solve these times table facts:

$12 \times 3 =$

$64 \div 8 =$

$28 \div 4 =$

$100 \div \square = 10$

$10 \times 7 =$

$45 \div 9 =$

$9 \times 12 =$

$2 \times \square = 18$

$8 \times 9 =$

$84 \div 12 =$

$24 \div 3 =$

$\square \div 12 = 4$

$5 \times 5 =$

$99 \div 11 =$

$6 \times 3 =$

$10 \times \square = 60$

Round these numbers:

To the closest 10		To the closest 100	
4,355		4,355	
16,609		16,609	
26,187		26,187	

Round these decimals to the closest numbers:

To the closest tenth		To the closest hundredth	
32.42		6.578	
1.65		13.241	
12.44		9.855	

Solve the word problem:

I had 460 donuts to sell at the gala.
I sold some and now there were 245.
How many did I sell?

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

Working out space:

How many wholes are in these numbers:

$$53.41 = \quad 2.4 =$$

$$64.10 = \quad 20.99 =$$

What is the value of the number underlined:

$$45.\underline{2}3 = \quad \underline{3}2.74 =$$

$$\underline{7}.17 = \quad 1.\underline{7}5 =$$

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

5 in the tenths	
2 whole units	
9 in the hundredths	

Solve these problems using a strategy that you know:

$$429 + 42 =$$

$$436 - 29 =$$

$$745 + 189 =$$

$$516 - 37 =$$

$$83 + \boxed{} = 192$$

$$294 - \boxed{} = 107$$

Add and subtract these decimals together:

$$14.3 + 5.9 =$$

$$15.6 + 19.2 =$$

$$62.86 - 9.13 =$$

$$94.4 - 13.2 =$$

Solve these by multiplying by the numbers:

$111 \times 12 =$

$140 \times 15 =$

$53 \times 3 =$

Show the family of facts:

$5 \times 8 =$

$\square \times \square = \square \quad \square \div \square = \square$

$\square \times \square = \square \quad \square \div \square = \square$

Solve the word problem:

13 birds could fit in a bush.
There were 7 bushes. How many
birds were there?

$$\square \times \square = \square$$

Working out space:

Solve these decimals:

$0.2 \times 3 =$

$0.1 \times 8 =$

$2.1 \times 7 =$

$14.4 \times 2 =$

$17.3 \times 5 =$

Solve these using division with no remainders:

$68 \div 4 =$

$32 \div 2 =$

$95 \div 5 =$

$105 \div 5 =$

$142 \div 2 =$

$128 \div 4 =$

Solve these using remainders:

$35 \div 6 =$

$$\begin{array}{r} 3 \quad 3 \\ 8 \overline{) 35} \end{array}$$

$24 \div 7 =$

Solve these times table facts:

$8 \times 9 =$

$25 \div 5 =$

$12 \times 11 =$

$99 \div 9 =$

$3 \times 4 =$

$32 \div 4 =$

$7 \times 8 =$

$36 \div 6 =$

What numbers are these divisible by:

$25 =$

$100 =$

$10 =$

$664 =$

Simplify these fractions:

$\frac{2}{10}$

$\frac{5}{15}$

$\frac{14}{18}$

$\frac{6}{10}$

Find these fractions of a whole:

$\frac{2}{10}$ of 60 =

$\frac{2}{3}$ of 66 =

$\frac{4}{5}$ of 80 =

$\frac{4}{11}$ of 77 =

Find these decimals of a whole:

0.5 of 24 =

0.1 of 100 =

0.3 of 18 =

0.75 of 40 =

Find these percentages of a whole:

20% of 50 =

50% of 80 =

10% of 100 =

90% of 27 =

Working out space:

Convert the number to the following:

Convert to a percentage	Convert to a decimal	Convert to a fraction
	0.61	
90 %		
		$\frac{3}{5}$
25 %		
39 %		
	0.4	

Add these fractions:

$\frac{2}{4} + \frac{3}{8} =$

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

Subtract these fractions:

$\frac{5}{8} - \frac{1}{4} =$

$\frac{8}{10} - \frac{1}{2} =$