ndergarten Mathematics							
ΤΟΡΙϹ	TITLE						
Self Assessment	Self Assessment – Kindergarten						
Using and applying number	The numbers 1 to 5						
Using and applying number	The numbers 6 to 9						
The number system	Ordinal numbers 1 to 9						
Using and applying number	Zero and counting numbers 1 to 9						
Using and applying number	The number 10						
Using and applying number	Numbers 11 to 20						
Using and applying number	Using place value to order numbers up to 20						
Reasoning	Simple addition up to the number 10						
Calculations	Subtraction up to the number 10						
Time, days of week	Days of the week						
Time, duration	Duration						
Exam	Exam – Kindergarten						
ar 1 Mathematics							
ΤΟΡΙϹ	TITLE						
Self Assessment	Self Assessment – Year 1						
The number system	Ordinal numbers 1 to 9						
Using and applying number	Zero and counting numbers 1 to 9						
	The number 10						
	Numbers 11 to 20						
	Using place value to order numbers up to 20						
	Simple addition up to the number 10						
-							
	-						
Calculations	beyond						
Calculation-grouping	Multiplication using equal groups						
Calculation-grouping	Multiplication using repeated addition						
Calculation-multiplication	The multiplication sign						
Calculation sharing/division	Strategies for division						
Length	measurement	_	_				
Time, days of week	Days of the week						
			_				
		_	_				
Time, quarter to, past	Quarter past and quarter to						
Time, analogue	O'clock and half past on the analogue clock						
Exam	Exam – Year 1						
ar 2 Mathematics							
			-				
	Using and applying number The number system Using and applying number Using and applying number Using and applying number Reasoning Calculations Time, days of week Time, duration Exam TOPIC Self Assessment The number system Using and applying number Using and applying number Using and applying number Using and applying number Calculations Calculations Calculations Calculations Calculations Calculations Calculations Calculations Calculation-grouping Calculation-grouping Calculation sharing/division Length Weight/mass Time, duration Time, months Time, quarter to, past	Using and applying number The numbers 6 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number The number 10 Using and applying number Numbers 11 to 20 Using and applying number Simple addition up to the number 10 Calculations Subtraction up to the number 10 Starm Exam Exam ar 1 Mathematics TITLE Self Assessment Self Assessment - Year 1 The number system Ordinal numbers 1 to 9 Using and applying number The number 10 Using and applying number Numbers 11 to 20 Using and applying number Numbers 11 to 20 Using and applying number Subtraction up to the number 20 Calculations Subtraction up to the number 20 Calculations Subtraction up to the number	Using and applying number The numbers 6 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number The number 10 Using and applying number Numbers 11 to 20 Using and applying number Displace value to order numbers up to 20 Reasoning Simple addition up to the number 10 Calculations Subtraction up to the number 10 Time, days of week Days of the week Time, days of week Days of the week Time, duration Duration Exam Exam Self Assessment Self Assessment - Year 1 The number system Ordinal numbers 1 to 9 Using and applying number Numbers 11 to 20 Using and applying number Simple addition up to the number 10 Reasoning Simple addition up to the number 20 Calculations Subtraction by Comparison Calculations Subtraction up to the number 20 Calculations Subtraction up to the number 20	Using and applying number The numbers 3 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number The number 10 Using and applying number Numbers 11 to 20 Using and applying number 20 Reasoning Simple addition up to the number 10 Calculations Subtraction up to the number 10 Time, days of week Days of the week Self Assessment Self Assessment - Year 1 The number system Ordinal numbers 1 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number Zero and counting numbers 1 to 9 Using and applying number Numbers 11 to 20 Using and applying number Zero and counting numbers 10 Reasoning Simple addition up to the number 10 Reasoning Simple addition up to the number 10 Calculations Subtraction up to the number 10 Calculations Subtraction u	Using and applying number The numbers 6 to 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Using and applying number The numbers 6 to 9 Image: Comparison of the number 1 to 9 Image: Comparison of the number 1 to 9 Using and applying number The number 10 Image: Comparison of the number 10 Image: Comparison of the number 10 Using and applying number Simple addition up to the number 10 Image: Comparison of the number 10 Image: Comparison of the number 10 Calculations Subtraction up to the number 10 Image: Comparison of the number 10 Image: Comparison of the number 10 Calculations Subtraction up to the number 10 Image: Comparison of the number 10 Image: Comparison of the number 10 Calculations Subtraction up to the number 10 Image: Comparison of the number 10 Image: Comparison of the number 10 String days of week Days of the week Image: Comparison of the number 10 Image: Comparison of the number 10 String day applying number Exam - Kindergarten Image: Comparison of the number 10 Image: Comparison of the number 10 String and applying number Zero and counting numbers 1 to 9 Image: Comparison of the number 10 Image: Comparison of the number 10 Using and applying number Numbers 11 to 20 Image: Comparison of the number 20 Image: Comparison of the number 20 Image: Comparison of the number 20 Image: Comparison	Using and applying number The numbers 3 to 9 Contain numbers 1 to 20 Contain numbers 1 to 20 Contain numbers 20 Contain numbers 20 Contain numbers 10 Contain numbers 20 Contain numbers 10 Contain numbers 10 Contains Subtraction up to the number 10 Contains Con

1	Self Assessment	Self Assessment – Year 2			
2	Reasoning	Simple addition up to the number 20			
3	Calculations	Subtraction by Comparison			
4	Calculations	Subtraction up to the number 20 and beyond			
5	Calculation-grouping	Multiplication using equal groups			
6	Calculation-grouping	Multiplication using repeated addition			
7	Calculation-multiplication	The multiplication sign			
8	Calculation sharing/division	Strategies for division			
9	Calculation-multiples	Multiples of 10 up to 100			
10	Calculations	The numbers 20 to 99			
11	Calculation 10-100	Counting by 1, 2, 5, and 10 to 100			
12	Addition	Addition to 99			
13	Subtraction	Subtraction up to the number 99			
14	Time, months	Months and seasons of the year			
15	Time, quarter to, past	Quarter past and quarter to			
16	Time, analogue	O'clock and half past on the analogue clock			
17	Lines and angles	Describing position.			
18	Data	Pictograms			
19	Data	Bar Charts			
20	Length	Compare length by using informal units of measurement			
21	Length	Using the metre as a formal unit to measure perimeter			
22	Length	Using the formal unit of the centimetre to measure length and perimeter			
23	Volume	Introduction to volume. using the cubic centimetre as a standard unit			
24	Weight/mass	Introducing the concept of mass			
25	Exam	Exam – Year 2			
				 _	
Germany Ye	ear 3 Mathematics				
			4		

Germany Year 3 Mathematics

#	ΤΟΡΙϹ	TITLE			
1	Self Assessment	Self Assessment – Year 3			
2	Calculation-multiples	Multiples of 10 up to 100			
3	Calculations	The numbers 20 to 99			
4	Calculation 10-100	Counting by 1, 2, 5, and 10 to 100			
5	Addition	Addition to 99			
6	Calculation-larger numbers	The numbers 100 to 999			
7	Subtraction	Subtraction up to the number 99			
8	Subtraction	Subtraction with borrowing			
9	Subtraction	Subtraction of two-digit numbers Involving comparison.			
10	Problems	Solve and record division using known facts and sharing			
11	Length	Using the metre as a formal unit to measure perimeter			
12	Length	Using the formal unit of the centimetre to measure length and perimeter			
13	Area	Introduction to the square centimetre.			
14	Area	Comparing and ordering areas.			
15	Volume	Introduction to volume. using the cubic centimetre as a standard unit			

shapes acity ght/mass shapes shapes s and angles a and angles a e, minutes e, units	Constructing models.Using the cubic cm and displacement to measure volume and capacityThe kilogramUsing the prefix to determine polygonsSpatial properties of quadrilateralsDescribing position.Mapping and grid referencesPictogramsBar ChartsAnalogue – Telling time – minutes in the hour				
ght/mass shapes shapes s and angles s and angles a a e, minutes	 measure volume and capacity The kilogram Using the prefix to determine polygons Spatial properties of quadrilaterals Describing position. Mapping and grid references Pictograms Bar Charts Analogue – Telling time – minutes in the 				
shapes shapes s and angles s and angles a a e, minutes	 Using the prefix to determine polygons Spatial properties of quadrilaterals Describing position. Mapping and grid references Pictograms Bar Charts Analogue – Telling time – minutes in the 				
shapes s and angles s and angles a a e, minutes	Spatial properties of quadrilateralsDescribing position.Mapping and grid referencesPictogramsBar ChartsAnalogue – Telling time – minutes in the				
s and angles s and angles a a e, minutes	Describing position. Mapping and grid references Pictograms Bar Charts Analogue – Telling time – minutes in the				
s and angles a a e, minutes	Mapping and grid references Pictograms Bar Charts Analogue – Telling time – minutes in the				
a a e, minutes	Pictograms Bar Charts Analogue – Telling time – minutes in the				
e, minutes	Bar Charts Analogue – Telling time – minutes in the				
e, minutes	Analogue – Telling time – minutes in the				
• units					
s, annes	Units of time				
e, minutes to the hour	Minutes to				
e, minutes past the hour	Minutes past				
e, digital, analogue	Comparing analogue and digital time				
e, digital	O'clock and half past using digital time				
e, analogue	O'clock and half past on the analogue clock				
tions	Using fractions 1/2, 1/4, 1/8 to describe part of a whole				
tions	Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection				
tions	Comparing and ordering fractions				
	Exam – Year 3				
ti:	ions ions	InstructionsUsing fractions 1/2, 1/4, 1/8 to describe part of a wholeUsing fractions 1/2, 1/4, 1/8 to describe parts of a group or collectionIonsComparing and ordering fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a wholeUsing fractions 1/2, 1/4, 1/8 to describe parts of a group or collectionIonsComparing and ordering fractions	Using fractions 1/2, 1/4, 1/8 to describe part of a wholeUsing fractions 1/2, 1/4, 1/8 to describe parts of a group or collectioncons	Using fractions 1/2, 1/4, 1/8 to describe part of a whole Image: Comparison of a group or collection Using fractions 1/2, 1/4, 1/8 to describe parts of a group or collection Image: Comparing and ordering fractions Image: Comparing and ordering fractions Image: Comparing and ordering fractions

Germany Year 4 Mathematics

#	ΤΟΡΙϹ	TITLE			
1	Self Assessment	Self Assessment – Year 4			
2	Calculation-larger numbers	The numbers 100 to 999			
3	Subtraction	Subtraction with borrowing			
4	Subtraction	Subtraction of two-digit numbers Involving comparison.			
5	Multiplication	Multiplication – important facts.			
6	Place value	The numbers 1000 to 9999			
7	Addition	Addition up to the number 999			
8	Subtraction	Subtraction up to the number 999 using the renaming method			
9	Problems	Solve and record division using known facts and sharing			
10	Division	Division with and without a remainder.			
11	Length	Using the metre as a formal unit to measure perimeter			
12	Length	Using the formal unit of the centimetre to measure length and perimeter			
13	Length	Read and calculate distances on a map using the formal unit kilometre			
14	Length	Compare and convert formal units of measurement			
15	Area	Introduction to the square centimetre.			
16	Area	Comparing and ordering areas.			
17	Weight/mass	The kilogram			
18	Weight/mass	The gram and net mass			
19	2-D shapes	Using the prefix to determine polygons			

23 3-D 24 Tess 25 3-D 26 Cap 27 Cap 28 Cap 29 Cap 30 Cap 30 Cap 31 Cap 32 Line 33 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 38 Tim	D shapes D shapes D shapes sellating 2-D shapes D shapes D shapes D shapes D acity	Measure and classify anglesRecognise and name trianglesRecognise and name pyramids according to spatial propertiesUse grids to enlarge/reduce 2D shapesRecognise and name prisms according to spatial propertiesThe relationship between the common units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourUnits of timeMinutes toMinutes pastAM and PM time		
23 3-D 24 Tess 25 3-D 26 Cap 27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 39 Tim 40 Tim 41 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec 48 Dec 49 Dec 40 Dec 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	e, minutes to the hour he, minutes past the hour he, a.m. p.m.	Recognise and name pyramids according to spatial propertiesUse grids to enlarge/reduce 2D shapesRecognise and name prisms according to spatial propertiesThe relationship between the common units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
24 Tess 25 3-D 26 Cap 27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 39 Tim 40 Tim 41 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	sellating 2-D shapes shapes bacity	to spatial propertiesUse grids to enlarge/reduce 2D shapesRecognise and name prisms according to spatial propertiesThe relationship between the common units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
25 3-D 26 Cap 27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	e shapes bacity baci	Recognise and name prisms according to spatial propertiesThe relationship between the common units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
26 Cap 27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 31 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	bacity ba	spatial propertiesThe relationship between the common units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 32 Cap 31 Cap 32 Cap 31 Cap 32 Cap 33 Cap 31 Cap 32 Cap 33 Cap 31 Cap 32 Cap 33 Cap 34 Cap 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	bacity ba	units of capacity, the litre and the millilitreUsing the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
27 Cap 28 Cap 29 Cap 30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Line 36 Line 36 Line 37 Line 38 Line 38 Line 39 Line 39 Line 39 Line 30 Line 30 Line 30 Line 30 Line 31 Line 32 Line 33 Line 33 Line 34 Line 35 Line 36 Line 36 Line 37 Line 38 Line 38 Line 39 Line 39 Line 39 Line 30	bacity ba	Using the cubic cm and displacement to measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
28 Cap 29 Cap 30 Cap 31 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	bacity ba	measure volume and capacityUsing the cubic cm as a standard unit of measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
29 Cap 30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec	bacity bacity bacity es and angles es and angles es and angles es and angles es and angles es and angles es, minutes he, digital, analogue he, units he, minutes to the hour he, minutes past the hour he, a.m. p.m.	measurement for volume and capacityConverting between volume and capacity using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
30 Cap 31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	bacity bacity es and angles es and angles es and angles es and angles he, minutes he, digital, analogue he, units he, minutes to the hour he, minutes past the hour he, a.m. p.m.	using kilolitres and litresEstimate, measure and compare the capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
31 Cap 32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 43 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	bacity es and angles es and angles es and angles es and angles he, minutes he, digital, analogue he, units he, minutes to the hour he, minutes past the hour he, a.m. p.m.	capacity of containersConverting between volume and capacity using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue - Telling time - minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
32 Line 33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	es and angles es and angles es and angles ne, minutes ne, digital, analogue ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	using millilitres and litresMapping and grid referencesMain and intermediate compass pointsInformal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
33 Line 34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	es and angles es and angles ne, minutes ne, digital, analogue ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	Main and intermediate compass points Informal coordinate system Analogue – Telling time – minutes in the hour Comparing analogue and digital time Units of time Minutes to Minutes past		
34 Line 35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	es and angles ne, minutes ne, digital, analogue ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	Informal coordinate systemAnalogue – Telling time – minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
35 Tim 36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, minutes ne, digital, analogue ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	Analogue - Telling time - minutes in the hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
36 Tim 37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, digital, analogue ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	hourComparing analogue and digital timeUnits of timeMinutes toMinutes past		
37 Tim 38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, units ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	Units of time Minutes to Minutes past		
38 Tim 39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, minutes to the hour ne, minutes past the hour ne, a.m. p.m.	Minutes to Minutes past		
39 Tim 40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, minutes past the hour ne, a.m. p.m.	Minutes past		
40 Tim 41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	ne, a.m. p.m.	-		
41 Dec 42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec		AM and PM time		
42 Dec 43 Dec 44 Dec 45 Dec 46 Dec 47 Dec	cimals	, a fanar fi fanac		
43 Dec 44 Dec 45 Dec 46 Dec 47 Dec		Introduction to decimals		
44 Dec 45 Dec 46 Dec 47 Dec	cimals	Comparing and ordering decimals to two decimal places		
45 Dec 46 Dec 47 Dec	cimals	Decimals with whole numbers 10th and 100th		
46 Dec 47 Dec	cimals	Adding decimals to two decimal places		
47 Dec	cimals	Subtracting decimals to two decimal places		
	cimals	Using decimals – shopping problems		
	cimals	Using decimals to record length		
		Rounding decimals		-
49 Frac		Using fractions 1/2, 1/4, 1/8 to describe part of a whole		
50 Frac	ctions	Using fractions $1/2$, $1/4$, $1/8$ to describe parts of a group or collection		
50 Frac		Comparing and ordering fractions		
51 Frac 52 Frac		Finding equivalent fractions		_
52 Frac 53 Frac		mixed numbers (mixed numerals)		
53 Frac 54 Frac		Fractions 1/5, 1/10, 1/100		
54 Frac		Introduction to percentages, including	 	
55 Perc	centages	relating common fractions to percentages		
56 Perc	centages	Changing fractions and decimals to percentages using tenths and hundredths		
57 Exa	m	Exam – Year 4		
Germany Year 5				

#	ΤΟΡΙϹ	TITLE		
1	Self Assessment	Self Assessment – Year 5		
2	Place value	The numbers 1000 to 9999		
3	Addition	Addition up to the number 999		
4	Subtraction	Subtraction up to the number 999 using the renaming method		
5	Counting and numeration	The numbers 10 000 to 99 999		
	Counting and numeration	Addition to 9999 and beyond		
		Subtraction involving four digit numbers		
7	Subtraction	and beyond using the renaming method.		
8	Multiplication	Multiples and factors of whole numbers		
9	Multiplication	Multiplication using extended algorithms.		
10	Division	Division with and without a remainder.		
11	Division	Dividing two and three digit numbers by a single digit number.		
12	Multiplication	Multiplication by 2 and 3 digits		
13	Multiplication	Multiplying 2-digit numbers by multiple of 10		
14	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100		
15	Time, a.m. p.m.	AM and PM time		
16	Time, 24-hour	24 hour time		
17	Time zones	Time zones		
18	Time, distance, speed	Average speed		
19	Angles	Measure and classify angles		
	2-D shapes	Recognise and name triangles		
	3-D shapes	Recognise and name pyramids according to spatial properties		
22	3-D shapes	Recognise and name prisms according to spatial properties		
23	Lines and angles	Mapping and grid references		
24	3-D shapes	Recognise nets for prisms, pyramids, cubes and cones		
25	Tessellating 2-D shapes	Use grids to enlarge/reduce 2D shapes		
26	3-D shapes	Viewing 3-D shapes.		
27	Lines and angles	Main and intermediate compass points		
28	Lines and angles	Informal coordinate system		
29	Data	Line graphs.		
30	Data	Pie and bar graphs.		
31	Length	Read and calculate distances on a map using the formal unit kilometre		
32	Length	Compare and convert formal units of measurement		
33	Area	Introduction to the square centimetre.		
34	Area	Comparing and ordering areas.		
35	Area	Larger areas: square metre, hectare, square kilometre.		
36	Volume	Using the cubic centimetre to measure volume.		
37	Capacity	The relationship between the common units of capacity, the litre and the millilitre		
38	Capacity	Using the cubic cm and displacement to measure volume and capacity		
39	Capacity	Using the cubic cm as a standard unit of measurement for volume and capacity		
40	Capacity	Converting between volume and capacity using kilolitres and litres		

	Estimate, measure and compare the capacity of containers		
S	The kilogram		
S	The gram and net mass		
5	Introduction to decimals		
	Comparing and ordering decimals to two		
	decimal places		
	Decimals with whole numbers 10th and 100th		
	Adding decimals to two decimal places		
	Subtracting decimals to two decimal places		
	Using decimals – shopping problems		
	Using decimals to record length		
	Rounding decimals		
	Adding decimals with a different number of decimal places		
	Subtracting decimals with a different number of places		
	Multiplying decimals by 10, 100 and 1000		
	Multiplying decimals by whole numbers		
	Dividing decimals by 10, 100 and 1000		
	Dividing decimal fractions by whole numbers		
	Finding equivalent fractions		
	mixed numbers (mixed numerals)		
	Fractions 1/5, 1/10, 1/100		
	Subtracting fractions from whole numbers		
	Adding and subtracting fractions with the same denominator		
	Introduction to percentages, including relating common fractions to percentages		
	Changing fractions and decimals to percentages using tenths and hundredths		
oblems	Solving Word Problems by recognising Sign Words		
	Problem solving strategies		
blems	Problems with numbers.		
	Problems involving money		
	Exam – Year 5		
1	natics		

#	ΤΟΡΙϹ	TITLE			
1	Self Assessment	Self Assessment – Year 6			
2	Counting and numeration	The numbers 10 000 to 99 999			
3	Counting and numeration	Addition to 9999 and beyond			
4	Subtraction	Subtraction involving four digit numbers and beyond using the renaming method.			
5	Counting and numeration	Seven digit numbers			
6	Multiplication	Multiples and factors of whole numbers			
7	Multiplication	Multiplication using extended algorithms.			
8	Division	Division with and without a remainder.			
9	Division	Dividing two and three digit numbers by a single digit number.			

10	Multiplication	Multiplication by 2 and 3 digits		
	Division	Divide whole numbers by a 2 digit divisor		
	Multiplication	Multiplying 2-digit numbers by multiple of 10		
	Multiplication	Multiplying 3 and 4-digit numbers by multiples of 100		
14	Multiplication	Multiplying 2-digit numbers by 2-digit numbers		
	Multiplication	Multiplying 4-digit numbers by 3-digit numbers		
16	Division/repeat subtraction	Repeated subtraction with divisors less than 20 with no remainders		
17	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders		
18	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders		
19	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders		
20	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders		
21	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions		
22	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders		
23	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders		
24	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders		
25	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method		
26	3-D shapes	Recognise and name pyramids according to spatial properties	3	
27	3-D shapes	Recognise and name prisms according to spatial properties	3	
28	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.		
29	Area	Larger areas: square metre, hectare, square kilometre.		
30	Volume	Introducing the formula for volume.		
	Volume	Using the cubic metre to measure volume.		
	Volume	Solving Problems about Volume – Part 1.		
33	Volume	Solving Problems about Volume – Part 2.		
34	Capacity	Converting between volume and capacity using millilitres and litres		
	Weight/mass	The tonne – converting units and problems		
36	Geometry-angles	Measuring angles		
	Data	Line graphs.		
38	Data	Pie and bar graphs.		
39	Time, 24-hour	24 hour time		
40	Time zones	Time zones		
41	Time, distance, speed	Average speed		
42	3-D shapes	Recognise nets for prisms, pyramids, cubes and cones		

43	Tessellating 2-D shapes	Use grids to enlarge/reduce 2D shapes	
	3-D shapes	Viewing 3-D shapes.	
	Lines and angles	Main and intermediate compass points	
	Lines and angles	Informal coordinate system	
	Decimals	Decimals to three decimal places	
	Decimals	Adding decimals with a different number of decimal places	
49	Decimals	Subtracting decimals with a different number of places	
50	Decimals	Multiplying decimals by 10, 100 and 1000	
51	Decimals	Multiplying decimals by whole numbers	
52	Decimals	Dividing decimals by 10, 100 and 1000	
53	Decimals	Dividing decimal fractions by whole numbers	
54	Decimals	Dividing numbers by a decimal fraction	
55	Percentages	Introduction to percentages, including relating common fractions to percentages	
	Percentages	Changing fractions and decimals to percentages using tenths and hundredths	
	Percentages	Changing percentages to fractions and decimals	
	Fractions	Improper fractions	
59	Fractions	Subtracting fractions from whole numbers	
60	Fractions	Adding and subtracting fractions with the same denominator	
61	Fractions	Multiplying and dividing to obtain equivalent fractions	
62	Fractions	Reducing fractions to lowest equivalent form	
63	Fractions	Comparing and ordering fractions greater than (>) 1	
64	Fractions	Multiplying fractions by whole numbers	
65	Fractions	Fractions of whole numbers	
66	Sign word problems	Solving Word Problems by recognising Sign Words	
67	Equations	Problem solving strategies	
68	Number problems	Problems with numbers.	
69	Money	Problems involving money	
	Length	Problems with length.	
	Mass	Problems with mass.	
	Area	Problems with area.	
	Volume/capacity	Problems with volume/capacity.	
74	Exam	Exam – Year 6	
Germany Ye	ar 7 Mathematics		
#	ΤΟΡΙϹ	TITLE	
	Self Assessment	Self Assessment – Year 7Multiplying 2-digit numbers by 2-digit	
	Multiplication	numbers Multiplying 4-digit numbers by 3-digit	
3	Multiplication	numbers Repeated subtraction with divisors less	
4	Division/repeat subtraction	than 20 with no remainders	

5	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with no remainders	
	Division/repeat subtraction	Repeated subtraction by multiples of 2, 3 and 4 with divisors greater than 20 with no remainders	
	Division/repeat subtraction	Repeated subtraction by multiples of 1,2 and 3 with divisors less than 20 with remainders	
	Division/repeat subtraction	Repeated subtraction by multiples of 10 with divisors less than 20 with remainders	
	Division/repeat subtraction	Repeated subtraction with divisors greater than 20 with remainders as fractions	
	Division/repeat subtraction	Repeated subtraction with divisors less than 35 with some remainders	
	Division/repeat subtraction	Repeated subtraction with divisors less than 55 with dividends of 3 and 4-digits with some remainders	
	Division/repeat subtraction	Repeated subtraction with divisors greater than 50 with dividends of thousands and some remainders	
	Division/repeat subtraction	Using divide, multiply and subtraction in the bring down method	
	Decimals	Rounding decimals	
	Decimals	Decimals to three decimal places	
15	Decimais	Adding decimals with a different number	
16	Decimals	of decimal places	
	Decimals	Subtracting decimals with a different number of places	
	Decimals	Multiplying decimals by 10, 100 and 1000	
19	Decimals	Multiplying decimals by whole numbers	
20	Decimals	Dividing decimals by 10, 100 and 1000	
21	Decimals	Dividing decimal fractions by whole numbers	
22	Decimals	Dividing numbers by a decimal fraction	
23	Percentages	Changing fractions and decimals to percentages using tenths and hundredths	
24	Percentages	Changing percentages to fractions and decimals	
25	Percentages	One quantity as a percentage of another	
	Percentages	Calculating Percentages and Fractions of Quantities	
	Fractions	Adding and subtracting fractions with the same denominator	
28	Fractions	Improper fractions	
29	Fractions	Comparing and ordering fractions greater than (>) 1	
	Fractions	Adding and subtracting fractions with different denominators	
	Fractions	Multiplying fractions by whole numbers	
	Fractions	Fractions of whole numbers	
	Fractions	Multiplying and dividing to obtain equivalent fractions	
34	Fractions	Reducing fractions to lowest equivalent form	
35	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)	
36	Fractions	Dividing fractions	
37	Fractions	Dividing mixed numbers (mixed numerals)	

38	Fractions	Multiplying fractions		
		Multiplying mixed numbers (mixed		
39	Fractions	numerals)		
40	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions		
41	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.		
42	Area	Finding the area of a triangle and other composite shapes.		
43	Area	Larger areas: square metre, hectare, square kilometre.		
44	Volume	Introducing the formula for volume.		
45	Volume	Using the cubic metre to measure volume.		
46	Volume	Solving Problems about Volume – Part 1.		
47	Volume	Solving Problems about Volume – Part 2.		
48	Capacity	Converting between volume and capacity using millilitres and litres		
	Weight/mass	The tonne – converting units and problems		
	Data	Bar Charts		
51	Data	Line graphs.		
52	Data	Pie and bar graphs.		
53	Algebraic expressions	Algebraic expressions.		
	Algebraic expressions	Substitution into algebraic expressions.		
	Algebraic expressions	Directed numbers: addition and subtraction.		
	Algebraic expressions	Directed numbers: multiplication and division.		
	Algebraic expressions	Simplifying algebraic expressions: adding like terms.		
	Algebraic expressions	Simplifying algebraic Expressions: subtracting like terms.		
	Algebraic expressions	Simplifying Algebraic expressions: combining addition and subtraction.		
60	Algebraic expressions	Simplifying algebraic expressions: multiplication		
61	Algebraic expressions	Simplifying algebraic expressions: division		
62	Algebraic expressions	Expanding algebraic expressions: multiplication		
63	Algebraic expressions	Expanding algebraic expressions: negative multiplier		
64	Algebraic expressions	Expanding and simplifying algebraic expressions		
65	Algebraic equations	Solving equations containing addition and subtraction		
	Algebraic equations	Solving equations containing multiplication and division		
	Algebraic equations	Solving two step equations		
	Geometry-angles	Measuring angles		
69	Geometry-angles	Adjacent angles		
	Geometry-angles	Complementary and supplementary angles		
	Geometry-angles	Vertically opposite angles		
	Geometry-angles	Angles at a Point.		
73	Geometry-angles	Parallel Lines.		
74	Geometry-problems	Additional questions involving parallel lines		
	Geometry-triangles	Angle sum of a triangle		

76	Special triangles	Special triangles			
77	Geometry-quadrilaterals	Quadrilaterals			
78	Geometry-constructions	Geometric constructions			
79	Sign word problems	Solving Word Problems by recognising Sign Words			
80	Equations	Problem solving strategies			
81	Number problems	Problems with numbers.			
82	Money	Problems involving money			
83	Length	Problems with length.			
84	Mass	Problems with mass.			
85	Area	Problems with area.			
86	Volume/capacity	Problems with volume/capacity.			
87	Exam	Exam – Year 7			

Germany Year 8 Mathematics

#	ΤΟΡΙϹ	TITLE		
1	Self Assessment	Self Assessment – Year 8		
2	Decimals	Dividing decimal fractions by whole numbers		
3	Decimals	Dividing numbers by a decimal fraction		
4	Fractions	Multiplying fractions		
5	Fractions	Multiplying mixed numbers (mixed numerals)		
6	Fractions	Finding reciprocals of fractions and mixed numbers (mixed numerals)		
7	Fractions	Dividing fractions		
8	Fractions	Dividing mixed numbers (mixed numerals)		
9	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions		
10	Percentages	Changing percentages to fractions and decimals		
11	Percentages	One quantity as a percentage of another		
12	Percentages	Calculating Percentages and Fractions of Quantities		
13	Algebraic expressions	Algebraic expressions.		
14	Algebraic expressions	Substitution into algebraic expressions.		
15	Algebraic expressions	Directed numbers: addition and subtraction.		
16	Algebraic expressions	Directed numbers: multiplication and division.		
17	Algebraic expressions	Simplifying algebraic expressions: adding like terms.		
18	Algebraic expressions	Simplifying algebraic Expressions: subtracting like terms.		
19	Algebraic expressions	Simplifying Algebraic expressions: combining addition and subtraction.		
20	Algebraic expressions	Simplifying algebraic expressions: multiplication		
21	Algebraic expressions	Simplifying algebraic expressions: division		
22	Algebraic expressions	Expanding algebraic expressions: multiplication		
23	Algebraic expressions	Expanding algebraic expressions: negative multiplier		
24	Algebraic expressions	Expanding and simplifying algebraic expressions		
25	Algebra-highest common factor	Highest common factor.		

		Solving equations containing addition and		
26	Algebraic equations	subtraction		
		Solving equations containing		
27	Algebraic equations	multiplication and division		
28	Algebraic equations	Solving two step equations		
		Solving equations containing binomial		
	Algebraic equations	expressions		
30	Algebraic equations	Equations involving grouping symbols.		
31	Area	Introducing the rules for finding the area of a rectangle and a parallelogram.		
32	Area	Finding the area of a triangle and other composite shapes.		
33	Area	Area of a circle.		
34	Volume	Finding the volume of prisms		
35	Geometry-angles	Measuring angles		
36	Geometry-angles	Adjacent angles		
37	Geometry-angles	Complementary and supplementary angles		
	Geometry-angles	Vertically opposite angles		
	Geometry-angles	Angles at a Point.		
	Geometry-angles	Parallel Lines.		
10		Additional questions involving parallel		
41	Geometry-problems	lines		
42	Geometry-triangles	Angle sum of a triangle		
43	Geometry-triangles	Exterior angle theorem		
44	Special triangles	Special triangles		
45	Geometry-quadrilaterals	Quadrilaterals		
46	Geometry-constructions	Geometric constructions		
47	Geometry problems	More difficult exercises involving parallel lines		
		Further difficult exercises involving		
48	Geometry-reasoning	formal reasoning		
49	Similar triangles	Similar triangles		
50	Pythagoras	Find the hypotenuse		
51	Pythagoras	Pythagorean triples		
52	Pythagoras	Find the hypotenuse Part 2		
53	Pythagoras	Calculating a leg of a right-angled triangle		
54	Statistics	Frequency distribution table		
55	Statistics	Frequency histograms and polygons		
56	Statistics	Relative frequency		
57	Statistics	The range.		
58	Statistic-probability	The mode		
59	Statistic-probability	The mean		
60	Statistic-probability	The median		
61	Statistic-probability	Probability of Simple Events		
62	Exam	Exam – Year 8		
Germany Ye	ar 9 Mathematics			
#	ТОРІС	TITLE	↓	
1	Self Assessment	Self Assessment – Year 9		
2	Algebraic expressions	Expanding and simplifying algebraic expressions		
3	Algebra-highest common factor	Highest common factor.		
4	Algebraic equations	Solving two step equations		

5	Algebraic equations	Solving equations containing binomial expressions	
	Algebraic equations	Equations involving grouping symbols.	
	Algebra-factorising	Simplifying easy algebraic fractions.	
	Rules for indices/exponents	Adding indices when multiplying terms with the same base	
9	Rules for indices/exponents	Subtracting indices when dividing terms with the same base	
10	Rules for indices/exponents	Multiplying indices when raising a power to a power	
11	Rules for indices/exponents	Multiplying indices when raising to more than one term	
12	Rules for indices/exponents	Terms raised to the power of zero	
13	Rules for indices/exponents	Negative Indices	
14	Algebraic fractions	Simplifying algebraic fractions using the index laws.	
15	Scientific notation	Scientific notation with larger numbers	
16	Scientific notation	Scientific notation with small numbers	
17	Scientific notation	Changing scientific notation to numerals	
18	Area	Area of a circle.	
19	Area	Area of a trapezium.	
20	Area	Area of a rhombus.	
21	Area	Area of regular polygons and composite figures.	
22	Surface area	Surface area of a cube/rectangular prism.	
23	Surface area	Surface area of a triangular/trapezoidal prism.	
24	Surface area	Surface area of a cylinder and sphere.	
25	Volume	Volume of a cylinder and sphere.	
26	Statistics	Frequency distribution table	
27	Statistics	Frequency histograms and polygons	
28	Statistics	Relative frequency	
29	Statistics	The range.	
30	Statistic-probability	The mode	
31	Statistic-probability	The mean	
32	Statistic-probability	The median	
		Additional questions involving parallel	
33	Geometry-problems	lines	
	Special triangles	Special triangles	
	Geometry-quadrilaterals	Quadrilaterals	
36	Geometry-constructions	Geometric constructions	
37	Geometry problems	More difficult exercises involving parallel lines	
38	Geometry-congruence	Congruent triangles, Test 1 and 2	
39	Geometry-congruence	Congruent triangles, Test 3 and 4	
40	Pythagoras	Find the hypotenuse	
41	Pythagoras	Pythagorean triples	
42	Pythagoras	Find the hypotenuse Part 2	
	Pythagoras	Calculating a leg of a right-angled triangle	
44	Trigonometry-ratios	Trigonometric ratios.	
45	Trigonometry-ratios	Using the calculator.	
46	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 1 Sine].	
47	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 2 Cosine].	
48	Trigonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 3 Tangent Ratio].	

40	Tuine a success success	Helmour is the demonstrates [Core 4]		
	Trigonometry-ratios	Unknown in the denominator. [Case 4].		
	Trigonometry-compass Trigonometry-elevation	Bearings – the compass.		
		Angles of elevation and depression.		
	Statistic-probability	Probability of Simple Events		
53	Exam	Exam – Year 9		
Component	av 10 Mathematica			
Germany re	ar 10 Mathematics			
#	ΤΟΡΙϹ	TITLE		
	Self Assessment	Self Assessment – Year 10		
L	Sell Assessment	Multiplying and dividing to obtain		
2	Fractions	equivalent fractions		
		Reducing fractions to lowest equivalent		
3	Fractions	form		
		Comparing and ordering fractions greater		
4	Fractions	than (>) 1		
-	F	Subtracting fractions from whole		
5	Fractions	numbers		
6	Fractions	Adding and subtracting fractions with the same denominator		
0		Adding and subtracting fractions with		
7	Fractions	different denominators		
8	Fractions	Multiplying fractions by whole numbers		
9	Fractions	Multiplying fractions		
		Multiplying mixed numbers (mixed		
10	Fractions	numerals)		
		Finding reciprocals of fractions and mixed		
	Fractions	numbers (mixed numerals)		
	Fractions	Dividing fractions		
13	Fractions	Dividing mixed numbers (mixed numerals)		
14	Rules properties	Using Order of Operation procedures (BIDMAS) with Fractions		
		Calculating Percentages and Fractions of		
15	Percentages	Quantities		
		Solving equations containing binomial		
	Algebraic equations	expressions		
17	Decimals	Adding decimals to two decimal places		
18	Decimals	Subtracting decimals to two decimal places		
	Decimals	Using decimals – shopping problems		
	Decimals	Using decimals to record length		
	Decimals	Decimals to three decimal places		
21	Decimals	Adding decimals with a different number		
22	Decimals	of decimal places		
		Subtracting decimals with a different		
23	Decimals	number of places		
		Multiplication of decimals by decimals to		
	Decimals	two decimal places		
25	Decimals	Dividing decimals by 10, 100 and 1000		
24	Decimals	Dividing decimal fractions by whole numbers		
	Decimals	Dividing numbers by a decimal fraction		
27	Deciliais	Introduction to percentages, including		
28	Percentages	relating common fractions to percentages		
	~	Changing fractions and decimals to		
29	Percentages	percentages using tenths and hundredths		

30	Percentages	Changing percentages to fractions and decimals	
31	Percentages	One quantity as a percentage of another	
32	Algebraic equations	Equations involving grouping symbols.	
33	Algebraic equations	Equations involving fractions.	
34	Algebra-inequalities	Solving Inequalities.	
35	Algebra-factorising	Simplifying easy algebraic fractions.	
36	Rules for indices/exponents	Adding indices when multiplying terms with the same base	
37	Rules for indices/exponents	Subtracting indices when dividing terms with the same base	
38	Rules for indices/exponents	Multiplying indices when raising a power to a power	
39	Rules for indices/exponents	Multiplying indices when raising to more than one term	
40	Rules for indices/exponents	Terms raised to the power of zero	
41	Rules for indices/exponents	Negative Indices	
42	Algebraic fractions	Simplifying algebraic fractions using the index laws.	
	Fractional indices/exponents	Fractional indices	
	Scientific notation	Scientific notation with larger numbers	
	Scientific notation	Scientific notation with small numbers	
	Scientific notation	Changing scientific notation to numerals	
	Significant figures	Significant figures	
		Using the trigonometric ratios to find	
48	Trigonometry-ratios	unknown length. [Case 3 Tangent Ratio].	
	Trigonometry-ratios	Unknown in the denominator. [Case 4].	
50	Trigonometry-compass	Bearings – the compass.	
51	Trigonometry-elevation	Angles of elevation and depression.	
	Trigonometry-practical	Trigonometric ratios in practical situations.	
53	Trigonometry- ratios	Using the trigonometric ratios to find an angle in a right-angled triangle.	
54	- Trigonometry-ratios	Using the calculator to find an angle given a trigonometric ratio.	
55	Geometry-problems	Additional questions involving parallel lines	
56	Geometry-quadrilaterals	Quadrilaterals	
57	Geometry-constructions	Geometric constructions	
58	Geometry-reasoning	Further difficult exercises involving formal reasoning	
59	Geometry-congruence	Congruent triangles, Test 1 and 2	
60	Geometry-congruence	Congruent triangles, Test 3 and 4	
	Geometry-congruence	Proofs and congruent triangles.	
	Similar triangles	Using similar triangles to calculate lengths	
	Overlapping triangles	Examples involving overlapping triangles	
	Geometry – triangles	Triangle inequality theorem	
	Area	Area of a trapezium.	
66	Area	Area of a rhombus.	
	' Area	Area of a circle.	
	Area	Area of regular polygons and composite figures.	
	Surface area	Surface area of a cube/rectangular prism.	
	Surface area	Surface area of a triangular/trapezoidal prism.	
	Surface area	Surface area of a cylinder and sphere.	
	Surface area	Surface area of pyramids	

73	Surface area	Surface area of cones			
74	Surface area	Surface area of composite solids			
75	Volume	Volume of pyramids and cones.			
76	Volume	Composite solids.			
77	Coordinate Geometry-the plane	Distance formula.			
78	Coordinate Geometry-midpoint, slope	Mid-point formula			
79	Coordinate Geometry-gradient	Gradient			
80	Coordinate Geometry-gradient	Gradient formula.			
81	Coordinate Geometry-straight line	The straight line.			
82	Coordinate Geometry-slope, etc.	Lines through the origin.			
83	Coordinate Geometry-equation of line	General form of a line and the x and y Intercepts.			
84	Coordinate Geometry-intercept	Slope intercept form of a line.			
85	Coordinate Geometry-point slope	Point slope form of a line			
86	Statistics	Frequency distribution table			
87	Statistic-probability	Cumulative frequency			
88	Statistic-probability	Calculating the median from a frequency distribution			
89	Statistic-probability	Tree diagrams – not depending on previous outcomes			
90	Statistic-probability	Tree diagrams – depending on previous outcomes			
91	Exam	Exam – Year 10			

Germany Year 11 Mathematics

#	TOPIC	TITLE			
1	Self Assessment	Self Assessment – Year 11			
2	Statistics	Frequency distribution table			
3	Statistics	Frequency histograms and polygons			
4	Statistics	Relative frequency			
5	Statistics	The range.			
6	Statistic-probability	The mode			
7	Statistic-probability	The mean			
8	Statistic-probability	The median			
9	Statistic-probability	Cumulative frequency			
10	Statistic-probability	Calculating the median from a frequency distribution			
11	Statistics	Stem and Leaf Plots along with Box and Whisker Plots			
12	Area	Finding the area of a triangle and other composite shapes.			
13	Area	Larger areas: square metre, hectare, square kilometre.			
14	Area	Area of a trapezium.			
15	Area	Area of a rhombus.			
16	Area	Area of a circle.			
17	Surface area	Surface area of a cube/rectangular prism.			
18	Surface area	Surface area of a triangular/trapezoidal prism.			
19	Surface area	Surface area of pyramids			
20	Capacity	Converting between volume and capacity using millilitres and litres			
21	Weight/mass	The tonne – converting units and problems			

22 Vo	lumo	Finding the volume of prices		
22 Vo 23 Vo		Finding the volume of prisms Volume of a cylinder and sphere.		
23 V0 24 Vo		Volume of a cylinder and sphere. Volume of pyramids and cones.		
	thagoras	Find the hypotenuse		
	thagoras	Pythagorean triples		
	thagoras	Find the hypotenuse Part 2		
	thagoras	Calculating a leg of a right-angled triangle		
	gonometry-ratios	Trigonometric ratios.		
	gonometry-ratios	Using the calculator.		
30 11	gonometry-ratios	Using the trigonometric ratios to find		
31 Tri	gonometry-ratios	unknown length. [Case 1 Sine].		
32 Tri	gonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 2 Cosine].		
33 Tri	gonometry-ratios	Using the trigonometric ratios to find unknown length. [Case 3 Tangent Ratio].		
34 Tri	gonometry-ratios	Unknown in the denominator. [Case 4].		
35 Tri	gonometry-compass	Bearings – the compass.		
36 Tri	gonometry-elevation	Angles of elevation and depression.		
		Trigonometric ratios in practical		
37 Tri	gonometry-practical	situations.		
38 Tri	gonometry-ratios	Using the calculator to find an angle given a trigonometric ratio.		
39 Tri	gonometry- ratios	Using the trigonometric ratios to find an angle in a right-angled triangle.		
10 T		Trigonometric ratios of 30., 45. and 60. –		
	gonometry-exact ratios	exact ratios.		
	ientific notation	Scientific notation with larger numbers		
	ientific notation	Scientific notation with small numbers		
	ientific notation	Changing scientific notation to numerals		
44 Sig	gnificant figures	Significant figures		
45 Alg	gebraic expressions	Expanding algebraic expressions: negative multiplier		
46 Alg	gebraic expressions	Expanding and simplifying algebraic expressions		
47 Alg	gebraic expressions-products	Products in simplification of algebraic expressions		
48 Alg	gebraic equations	Solving two step equations		
49 Alg	gebraic equations	Solving equations containing binomial expressions		
50 Alg	gebraic equations	Equations involving grouping symbols.		
51 Alg	gebraic equations	Equations involving fractions.		
52 Alg	gebra-factorising	Simplifying easy algebraic fractions.		
53 Alg	gebraic fractions	Simplifying algebraic fractions using the index laws.		
54 Alg	gebra- formulae	Equations resulting from substitution into formulae.		
55 Sin	nultaneous equns	Simultaneous equations		
56 Co	oordinate Geometry-straight line	The straight line.		
57 Co	oordinate Geometry-slope, etc.	Lines through the origin.		
58 Co	oordinate Geometry-intercept	Slope intercept form of a line.		
59 Co	o-ordinate Geometry-Intercept form	Intercept form of a straight line: find the equation when given x and y		
	nilar triangles	Similar triangles		
	nilar triangles	Using similar triangles to calculate lengths		
	verlapping triangles	Examples involving overlapping triangles		
	atistic-probability	Probability of Simple Events		
	atistic-probability atistic-probability	Probability of Simple Events Rolling a pair of dice		

65	Statistic-probability	Experimental probability			
66	Statistic-probability	The complementary result			
67	Statistic-probability	P[A or B] When A and B are both mutually and NOT mutually exclusive			
68	Sequences and Series-Compound interest	Compound interest			
69	Exam	Exam – Year 11			

Germany Year 12 Mathematics

#	ΤΟΡΙϹ	TITLE			
1	Self Assessment	Self Assessment – Year 12			
2	Statistics – grouped data	Calculating mean, mode and median from grouped data			
3	Statistics – Range and dispersion	Range as a measure of dispersion			
4	Statistics – Spread	Measures of spread			
5	Statistics - Standard deviation	Standard deviation applications			
6	Statistics - Standard deviation	Normal distribution			
7	Statistics – Interquartile range	Measures of spread: the interquartile range			
8	Statistics	Scatter Diagrams			
9	Area	Area of regular polygons and composite figures.			
10	Volume	Composite solids.			
11	Surface area	Surface area of a cylinder and sphere.			
12	Surface area	Surface area of cones			
13	Surface area	Surface area of composite solids			
14	Trigonometry-cosine rule	The cosine rule to find an unknown side. [Case 1 SAS].			
15	Trigonometry-cosine rule	The cosine rule to find an unknown angle. [Case 2 SSS].			
16	Trigonometry-sine rule	The sine rule to find an unknown side. Case 1.			
17	Trigonometry-sine rule	The sine rule to find an unknown angle. Case 2.			
18	Trigonometry-areas	The area formula			
19	Statistic-probability	Tree diagrams – not depending on previous outcomes			
20	Statistic-probability	Tree diagrams – depending on previous outcomes			
21	Statistic-probability	Counting techniques and ordered selections – permutations			
22	Statistic-probability	Unordered selections - combinations			
23	Algebra- formulae	Changing the subject of the formula.			
24	Coordinate geometry	Solve by graphing			
25	Exam	Exam – Year 12			