Mathematics Key Assessment Objectives Year Five

Trinity Primary

Key Assessment Objectives Year Five

Year 5 Number				
	5.1	5.2	5.3	5.4 + application
Place Value	I can compare and order 3 or more numbers beyond 1000 and use <, > and = signs	I can compare numbers with the same number of decimal places up to two decimal places I can round decimals with one decimal place to the nearest whole number	I can compare numbers with the same number of decimal places up to three decimal places I can round decimals with two decimal places to the nearest whole number	I can compare numbers up to three decimal places and use <, > and = signs I can round decimals with two decimal places to one decimal place
Written +/-	I can use column addition and subtraction for numbers with more than 4 digits involving carrying and borrowing	I can use column addition and subtraction for numbers with more than 4 digits involving double carrying and borrowing (e.g. 11200 – 946 and 11689 + 278)	I consistently complete column addition and subtraction involving all numbers	
Number Facts	I can recall division facts for **Silver**		I can recall division facts for **Silver** with increasing speed and accuracy	
Mental (x/÷)	My times are improving in **Gold** level times tables	I have completed **Gold** level Times Tables	I am scoring 30+ **Platinum** level times tables	I am scoring 40+ **Platinum** level times tables
Written (x/÷)	I can use formal written multiplication for TU x U and HTU x U when Us are below 6 I can use bus shelter division for HTU ÷ U with remainders	I can use formal written multiplication for TU x U and HTU x U when Us are between 6 – 9 I can use bus shelter division for HTU ÷ U with remainders when the divisor does not fit into the first digit e.g. 125 ÷ 3	I can use formal written multiplication for TU x TU and HTU x U I can use bus shelter division for THTU ÷ U with remainders	I can use formal written multiplication for HTU x TU I can use long division for HTU ÷ TU without remainders
Problems (x/÷)	I can solve more complex multiplication problems i.e. I have 8 boxes with 6 eggs in each box, how many eggs are there altogether?	I can solve more complex division problems i.e. I have 63 eggs in 9 boxes altogether, how many eggs are each box?	I can solve multi-step problems involving all operations (x÷+-)	
Fractions	I can count up and down in hundredths	I can count up and down in hundredths across tenths and unit barriers i.e. 1.19, 2.10, 2.11	I can count up and down in hundredths and tenths from any given number	

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Comparing Fractions	I can compare and order common non unit fractions (i.e. 2/4, 3/4, 2/3, 1/2) without pictures I can recognise and show, using diagrams, families of common equivalent fractions i.e. 1/4 = 2/8 = 4/16	I can recognise and show families of common equivalent fractions by multiplying denominators and numerators by the same number	I can compare and order fractions whose denominators are all multiples of the same number between 1 and 6 times tables (1/3, 6/9) I can recognise and show families of all equivalent fractions by multiplying denominators and numerators by the same number	I can compare and order fractions whose denominators are all multiples of the same number for all times tables (3/7, 6/21)
Fractional Quantities	I can find fractions of quantities or objects with larger denominators i.e. 3/7 of 21		I can find fractions of quantities or objects with larger denominators mentally	I can find fractions of quantities or objects with increasingly large denominators i.e. 6/120 of 360
Fraction Calculations	I can add and subtract fractions with the same denominator including answers resulting in an improper fraction e.g. 3/7 + 5/7 = 8/7		I can add and subtract fractions whose denominators are multiples of the same number e.g. 2/3 + 4/9 = 6/9 + 4/9 = 10/9	I can add and subtract fractions whose denominators are multiples of the same number and simplify answers e.g. 2/3 + 4/9 = 6/9 + 4/9 = 10/9 = 1 1/9
Decimals as Fractional Amounts	I can recognise and write decimal equivalents of any number of tenths I can recognise and write decimal equivalents to 1/4, 1/2 and 3/4 I can multiply and divide a number by 10 and 100 when answers are decimals	I can recognise and write decimal equivalents of any number of hundredths I can recognise and write decimal equivalents to 1/3 and 2/3 I can multiply and divide a decimal number by 10 and 100	I can recognise and write decimal equivalents of any number of hundredths or tenths I can convert between unit fractions and decimals e.g. 1/4s, 1/2s, 1/3s 1/5s, 1/20s and 1/25s I can multiply and divide any number by 10 and 100	I can convert between fractions and decimals whose denominators are factors of 100 e.g. 12/25 = 48/100 = 0.48 I can multiply and divide any number by 10, 100 and 1000

Key Assessment Objectives Year Five

Year 5 Geometry, Measuring and Statistics				
	5.1	5.2	5.3	5.4 + application
Perimeter & Area	I can find the perimeter and area of squares and rectangles by counting squares	I can find the perimeter and area of shapes by counting whole squares and partial squares	I can find the perimeter and area of composite rectilinear shapes (cm/m/cm²/m²) when the length of all sides are given	I can find the perimeter and area of composite rectilinear shapes with missing sides
Time	I can solve interval problems taking times from timetables/TV guides using a blank timeline over an hour i.e. how many minutes from 9:15 to 11:20	I can solve interval problems taking times from timetables/TV guides using a blank timeline over an hour *in multiples of* 5 i.e. how many minutes from 9:15 to 12:00	I can solve interval problems taking times from timetables/TV guides using a blank timeline over an hour *to the minute* i.e. how many minutes from 9:17 to 12:00	
Angles	I can identify acute and obtuse angles I can compare and order angles below 180°		I can identify acute, obtuse and reflex angles I can compare and order any angle I can measure given angles in degrees (°) I know angles on a straight line add up to 180° I know angles in a triangle add up to 180° I know angles around a point add up to 360°	I can draw given angles using a protractor I can find missing angles on a straight line I can find missing angles in a triangle I can find missing angles around a point
Interpreting Data	I can interpret and construct simple line graphs		I can interpret and construct simple line graphs where answers fall between scales	I solve 2 stage problems using line graphs e.g. how long did it take Darren to run between 3 o'clock and 5 o'clock?