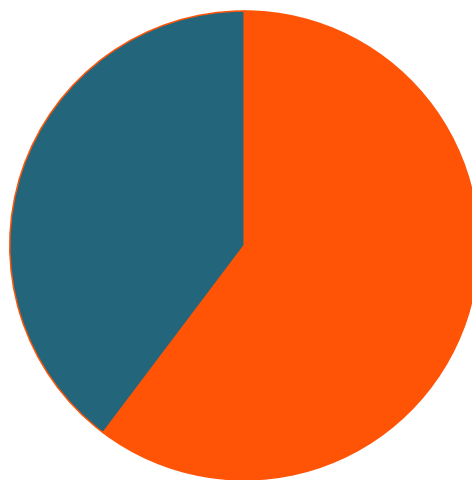




Year 6 Numeracy A

Test Result for
Alex Duncan:

42.50/70 correct



Correct (60.28%)
Incorrect (39.72%)

Test summary

Test Name:	Year 6 Numeracy A
School Year or Stage:	Year 6
Pupil:	Alex Duncan
Date of assessment:	25 Oct 2016
Test Result:	42.50/70 correct

Excelr8 Learning



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How to interpret this report

National Curriculum

Tests on TestsForKids.online are based on the National Curriculum for England. The National Curriculum specifies Attainment Targets for each subject and Key Stage. These targets set out the specific matters, skills and processes that pupils are expected to know, understand and be able to apply at each Key Stage or year level. The questions in this test assess the pupil's knowledge and understanding of these skills for the school year or stage listed above in the Test Summary.

Test Results

On Page 1 of this report, the Test Result shows the overall score achieved in this test for the named pupil. The Test Name identifies the subject tested for the school year or stage as indicated. The date when the test was taken is also shown.

Interpreting Result

The results demonstrate how well the pupil was able to answer the test questions, on the day the test was taken and under the conditions that applied at that time. Provided the guidelines for using the tests were carefully followed, these results will provide valuable and reliable information about the pupil's strengths and weaknesses. Please refer below to Additional Tests.

Questions answered correctly indicate those areas of the National Curriculum where the pupil's knowledge and understanding is sound. On the other hand, questions answered incorrectly or not attempted at all may indicate a weakness or learning gap in the pupil's knowledge or skills.

Some test questions are included in more than one National Curriculum category. In such cases, you will see the score for that question more than once in the breakdown of scores for each National Curriculum sub-category.

Report Headings

The report headings are the main topic areas of the National Curriculum.

Test Questions

Below each topic heading are the specific matters, skills and processes tested.

Test Scores

Next to each question are the test scores; for example:

2 / 2 means there were 2 questions and both were answered correctly.

2 / 3 means there were 3 questions and 2 were answered correctly.

None attempted: 0 / 3 means there were 3 questions and none were attempted.

1 not attempted: 0 / 2 means there were 2 questions, 1 was answered incorrectly and the other was not attempted.

Additional Tests

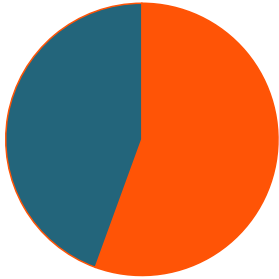
Tests For Kids Online provides separate A and B tests for each school year or key stage. Each A or B test is a separate test that covers the same subject material for maths, English and reading comprehension. A or B tests may be repeated later to confirm that topics have been mastered.

Please note that if you are concerned your child may not have been able to complete the test to the best of his/her ability, you may consider arranging for the alternative A or B test to be taken.

As pupils all progress at different rates, tests may be selected for school years or key stages above or below the pupil's present year level, depending on the individual's level of progress.

Breakdown of scores for each National Curriculum main category for Alex Duncan based on Year 6
Numeracy A Test

NUMBER AND PLACE VALUE

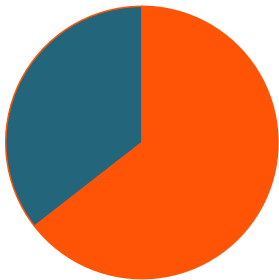


■ Correct (55.56%)
■ Incorrect (44.44%)

Strengths: Read, write, order and compare numbers up to 10,000,000, round any whole number to a required degree of accuracy, solve number and practical problems that involve all of the above.

Weaknesses: Use negative numbers

OPERATIONS

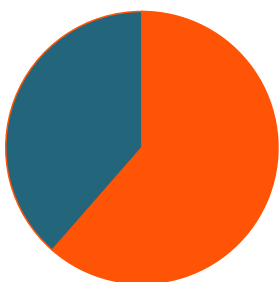


■ Correct (64.47%)
■ Incorrect (35.53%)

Strengths: Multiply multi-digit numbers up to 4 digits by 2 digits using written methods, divide numbers up to 4 digits by 2 digit numbers, interpret remainders in context, perform mental calculations, including mixed operations, use the correct order of operations, solve multi-step problems involving addition and subtraction, use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.

Weaknesses: Identify common factors, multiples and prime numbers

FRACTIONS, DECIMALS AND PERCENTAGES

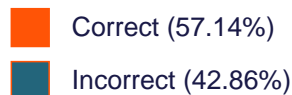
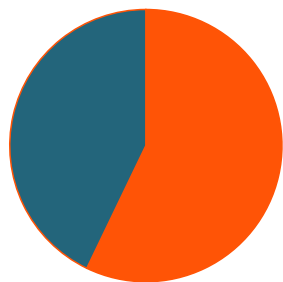


■ Correct (61.44%)
■ Incorrect (38.56%)

Strengths: Use common factors to simplify fractions, add and subtract fractions with different denominators, multiply simple proper fractions and give the answer in its simplest form, divide proper fractions and give the answer in its simplest form, identify the value of each digit in numbers given to three decimal places, multiply and divide numbers by 10, 100 and 1000 up to 3 decimal places, multiply one-digit numbers with up to two decimal places by whole numbers, use written division methods in cases where the answer has up to two decimal places, solve problems which require answers to be rounded to specified degrees of accuracy.

Weaknesses: Compare and order fractions, associate a fraction with a division and calculate decimal equivalents, recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

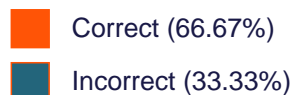
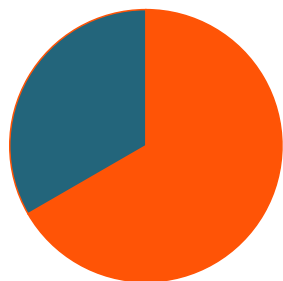
RATIO AND PROPORTION



Strengths: Solve problems involving relative sizes where missing values can be found using integer multiplication and division facts, solve problems involving similar shapes, solve problems involving unequal sharing and grouping.

Weaknesses: Solve problems involving the calculation of percentages

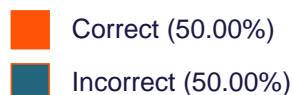
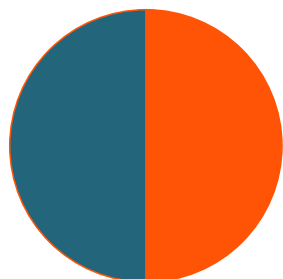
ALGEBRA



Strengths: Use simple formulae, generate and describe linear sequences, enumerate possibilities of combinations of two variables.

Weaknesses: Express missing number problems algebraically, find pairs of numbers that satisfy an equation with two unknowns.

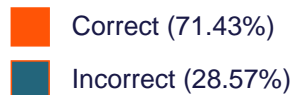
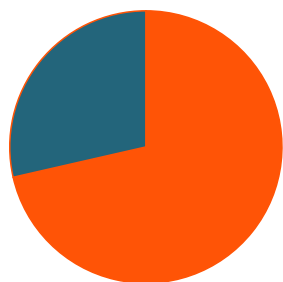
MEASUREMENT



Strengths: Use, read, write and convert between standard units, convert between miles and kilometres, recognise that shapes with the same areas can have different perimeters and vice-versa, recognise when it is possible to use formula for area and volume of shapes.

Weaknesses: Solve problems involving the calculations and conversions of units of measure, calculate the area of parallelograms and triangles, calculate, estimate and compare volume of cubes and cuboids.

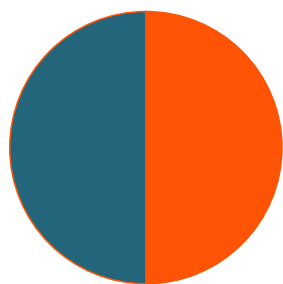
PROPERTIES OF SHAPES



Strengths: Draw 2d shapes using given dimensions and angles, recognise, describe and build simple 3d shapes, compare and classify geometric shapes based on their properties, illustrate and draw parts of a circle.

Weaknesses: Recognise angles where they meet at a point, on a straight line or vertically opposite and find missing angles

POSITION AND DIRECTION

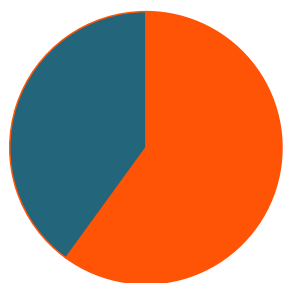


■ Correct (50.00%)
■ Incorrect (50.00%)

Strengths: Draw and translate shapes on the coordinate plane and reflect them in the axes

Weaknesses: Describe positions on the full coordinate grid

STATISTICS



■ Correct (60.00%)
■ Incorrect (40.00%)

Strengths: Interpret and construct pie charts and line graphs

Weaknesses: Calculate and interpret the mean as an average

Breakdown of scores for each National Curriculum sub-category for Alex Duncan based on Year 6 Numeracy A Test

NUMBER AND PLACE VALUE	Marks
READ, WRITE, ORDER AND COMPARE NUMBERS UP TO 10,000,000	2 / 2
ROUND ANY WHOLE NUMBER TO A REQUIRED DEGREE OF ACCURACY	2 / 3
USE NEGATIVE NUMBERS	0 / 2
SOLVE NUMBER AND PRACTICAL PROBLEMS THAT INVOLVE ALL OF THE ABOVE	1 / 2
OPERATIONS	Marks
MULTIPLY MULTI-DIGIT NUMBERS UP TO 4 DIGITS BY 2 DIGITS USING WRITTEN METHODS	1 / 2
DIVIDE NUMBERS UP TO 4 DIGITS BY 2 DIGIT NUMBERS	1 / 2
INTERPRET REMAINDERS IN CONTEXT	1 / 2
PERFORM MENTAL CALCULATIONS, INCLUDING MIXED OPERATIONS	2 / 2

IDENTIFY COMMON FACTORS, MULTIPLES AND PRIME NUMBERS	0.67 / 3
USE THE CORRECT ORDER OF OPERATIONS	1 / 1
SOLVE MULTI-STEP PROBLEMS INVOLVING ADDITION AND SUBTRACTION	1 / 1
USE ESTIMATION TO CHECK ANSWERS TO CALCULATIONS AND DETERMINE, IN THE CONTEXT OF A PROBLEM, AN APPROPRIATE DEGREE OF ACCURACY	2 / 2
FRACTIONS, DECIMALS AND PERCENTAGES	Marks
USE COMMON FACTORS TO SIMPLIFY FRACTIONS	1 / 1
COMPARE AND ORDER FRACTIONS	0 / 1
ADD AND SUBTRACT FRACTIONS WITH DIFFERENT DENOMINATORS	1 / 2
MULTIPLY SIMPLE PROPER FRACTIONS AND GIVE THE ANSWER IN ITS SIMPLEST FORM	1 / 1
DIVIDE PROPER FRACTIONS AND GIVE THE ANSWER IN ITS SIMPLEST FORM	1 not attempted: 1 / 2
ASSOCIATE A FRACTION WITH A DIVISION AND CALCULATE DECIMAL EQUIVALENTS	0 / 1
IDENTIFY THE VALUE OF EACH DIGIT IN NUMBERS GIVEN TO THREE DECIMAL PLACES	2 / 2
MULTIPLY AND DIVIDE NUMBERS BY 10, 100 AND 1000 UP TO 3 DECIMAL PLACES	1 / 1
MULTIPLY ONE-DIGIT NUMBERS WITH UP TO TWO DECIMAL PLACES BY WHOLE NUMBERS	0.5 / 1
USE WRITTEN DIVISION METHODS IN CASES WHERE THE ANSWER HAS UP TO TWO DECIMAL PLACES	1 / 1
SOLVE PROBLEMS WHICH REQUIRE ANSWERS TO BE ROUNDED TO SPECIFIED DEGREES OF ACCURACY	0.5 / 1
RECALL AND USE EQUIVALENCES BETWEEN SIMPLE FRACTIONS, DECIMALS AND PERCENTAGES, INCLUDING IN DIFFERENT CONTEXTS	0.83 / 2
RATIO AND PROPORTION	Marks
SOLVE PROBLEMS INVOLVING RELATIVE SIZES WHERE MISSING VALUES CAN BE FOUND USING INTEGER MULTIPLICATION AND DIVISION FACTS	1 / 2
SOLVE PROBLEMS INVOLVING THE CALCULATION OF PERCENTAGES	0 / 2
SOLVE PROBLEMS INVOLVING SIMILAR SHAPES	1 / 1
SOLVE PROBLEMS INVOLVING UNEQUAL SHARING AND GROUPING	2 / 2
ALGEBRA	Marks
USE SIMPLE FORMULAE	1 / 1
GENERATE AND DESCRIBE LINEAR SEQUENCES	2 / 2
EXPRESS MISSING NUMBER PROBLEMS ALGEBRAICALLY	0 / 1
FIND PAIRS OF NUMBERS THAT SATISFY AN EQUATION WITH TWO UNKNOWNNS	0 / 1
ENUMERATE POSSIBILITIES OF COMBINATIONS OF TWO VARIABLES	1 / 1
MEASUREMENT	Marks
SOLVE PROBLEMS INVOLVING THE CALCULATIONS AND CONVERSIONS OF UNITS OF MEASURE	0 / 1

USE, READ, WRITE AND CONVERT BETWEEN STANDARD UNITS	1 / 2
CONVERT BETWEEN MILES AND KILOMETRES	1 / 1
RECOGNISE THAT SHAPES WITH THE SAME AREAS CAN HAVE DIFFERENT PERIMETERS AND VICE-VERSA	1 / 1
RECOGNISE WHEN IT IS POSSIBLE TO USE FORMULA FOR AREA AND VOLUME OF SHAPES	1 / 1
CALCULATE THE AREA OF PARALLELOGRAMS AND TRIANGLES	0 / 1
CALCULATE, ESTIMATE AND COMPARE VOLUME OF CUBES AND CUBOIDS	0 / 1
PROPERTIES OF SHAPES	Marks
DRAW 2D SHAPES USING GIVEN DIMENSIONS AND ANGLES	1 / 1
RECOGNISE, DESCRIBE AND BUILD SIMPLE 3D SHAPES	1 / 1
COMPARE AND CLASSIFY GEOMETRIC SHAPES BASED ON THEIR PROPERTIES	1 / 1
ILLUSTRATE AND DRAW PARTS OF A CIRCLE	2 / 2
RECOGNISE ANGLES WHERE THEY MEET AT A POINT, ON A STRAIGHT LINE OR VERTICALLY OPPOSITE AND FIND MISSING ANGLES	0 / 2
POSITION AND DIRECTION	Marks
DESCRIBE POSITIONS ON THE FULL COORDINATE GRID	0 / 1
DRAW AND TRANSLATE SHAPES ON THE COORDINATE PLANE AND REFLECT THEM IN THE AXES	1 / 1
STATISTICS	Marks
INTERPRET AND CONSTRUCT PIE CHARTS AND LINE GRAPHS	2 / 2
CALCULATE AND INTERPRET THE MEAN AS AN AVERAGE	1 / 3

We recommend further study in the following areas of Year 6 Numeracy for Alex Duncan:

NUMBER AND PLACE VALUE

Use negative numbers

OPERATIONS

Identify common factors, multiples and prime numbers

FRACTIONS, DECIMALS AND PERCENTAGES

Compare and order fractions

Associate a fraction with a division and calculate decimal equivalents

Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts

RATIO AND PROPORTION

Solve problems involving the calculation of percentages

ALGEBRA

Express missing number problems algebraically

Find pairs of numbers that satisfy an equation with two unknowns

MEASUREMENT

Solve problems involving the calculations and conversions of units of measure

Calculate the area of parallelograms and triangles

Calculate, estimate and compare volume of cubes and cuboids

PROPERTIES OF SHAPES

Recognise angles where they meet at a point, on a straight line or vertically opposite and find missing angles

POSITION AND DIRECTION

Describe positions on the full coordinate grid

STATISTICS

Calculate and interpret the mean as an average