

Practice report

Your child - Mathematics - grade 4 - 31 July 2026

Progress score

746 703 to 789

If your child took this test ten times, about seven of the scores would land between 703 and 789. The range matters more than the single number.

27 of 40 scored questions correct. On an adaptive test this figure is normally near half whatever the score, because the questions chase your child's own level.

Where your child is strong, area by area

Expressions, equations and functions		906	821-991
Measurement, data and probability		828	746-911
Numbers and operations		685	609-760
Patterns, ratios and proportions		682	603-761
Geometry and shapes		679	598-760

These five areas are always reported. Each rests on about eight questions, so the ranges are wide - treat the ordering as meaningful and small differences between areas as not.

Pointers on specific topics

Seen too few times to score, but pointing in a direction:

- Fractions, decimals and percents - below the rest of that area, on 5 questions
- Patterns and early algebraic thinking - above the rest of that area, on 5 questions
- Expressions and variables - in line with the rest of that area, on 5 questions
- Shapes, angles and properties - in line with the rest of that area, on 4 questions
- Data representation and interpretation - below the rest of that area, on 4 questions

A topic is only given a number when your child answered at least eight questions in it, which on a forty-question test is uncommon by design - most topics therefore appear here as a direction rather than a score, and topics seen fewer than four times are left out entirely rather than guessed at. Reports that show a confident number for a dozen topics from a test this length are showing you mostly noise.

What to work on next

1 Data representation and interpretation

This shows whether your child can read information from a chart or graph and choose the right way to display a set of data.

Reading a chart is a different skill from making one, and a child can be fine at one and lost in the other. When you meet a graph in a newspaper or on television, ask what it shows and what it leaves out. Have them draw a chart of something they care about, like screen time or football results, because choosing the scale is where the real learning is.

2 Fractions, decimals and percents

This shows how well your child understands fractions, decimals and percents, and can convert between them and calculate with them.

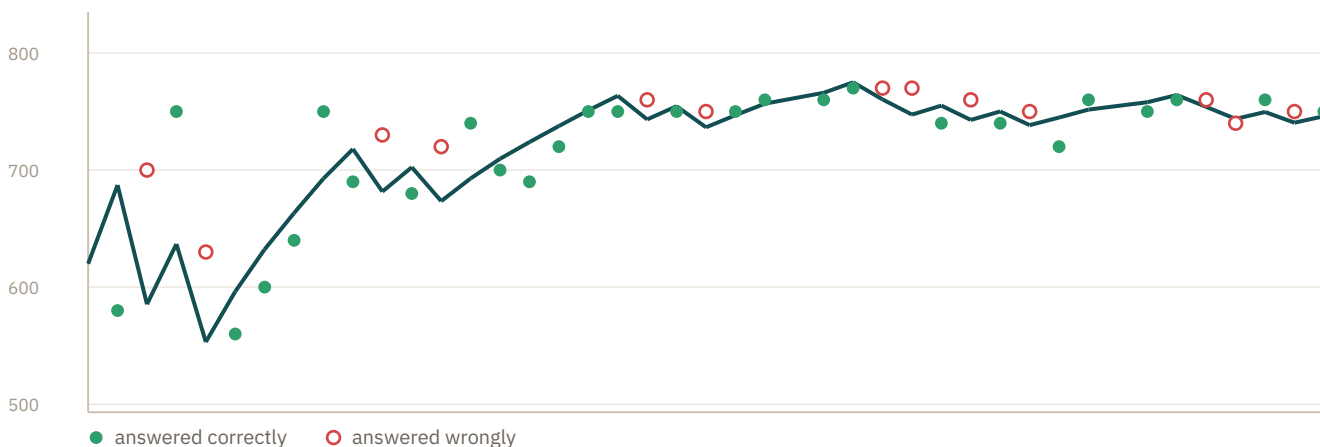
Fractions, decimals and percents are the same idea in three costumes, and most difficulty comes from not seeing that. Spend time converting between them out loud rather than calculating with them - a half, 0.5 and 50 percent should feel interchangeable before anything is added or multiplied. Cooking and shopping are the natural practice ground: halving a recipe or working out a discount does more than a worksheet.

What we actually saw

Individual skills are far too thinly sampled to score, so these are observations rather than measurements - useful as a starting point for a conversation, not as a verdict.

- Missed the one question on Multiplies and divides fractions.
- Missed the one question on Converts between fractions, decimals and percents.
- Missed the one question on Adds, subtracts, multiplies and divides decimals.
- Missed the one question on Understands and writes a ratio.
- Missed the one question on Finds a percent of a number.
- Missed the one question on Applies angle relationships.
- Missed the one question on Translates, reflects and rotates a figure.
- Missed the one question on Finds the perimeter of a polygon.

How the test found your child's level



Each dot is one question, placed at its difficulty. A filled green dot is a question your child answered correctly and a hollow red one is a question they did not. The line is the test's running estimate of their level after each answer: it starts uncertain and settles as evidence builds. A correct answer makes the next question harder and a wrong one makes it easier, which is why the line steps up and down - and why getting about half of the later questions wrong is the test working properly, not a sign of struggle.

Every question, reviewed

Two of these questions were new ones being trialled and did not count towards the score. They are marked.

Question 1

Which fraction is equivalent to $\frac{4}{4}$?

B) 1

Multiply top and bottom of $\frac{4}{4}$ by 2.

Question 2

A sequence starts at 7. Each term after that is 2 times the term before it, minus 5. What is the 5th term?

B) 21 Correct: A) 37

What this suggests: applied the rule one time too few.

The terms are 7, 9, 13, 21, 37.

Question 3

Solve for x: $x + 6 = 13$

B) 7

Subtract 6 from both sides.

Question 4

A rectangle is 8 cm long and 7 cm wide. What is its perimeter?

A) 15 cm Correct: B) 30 cm

Perimeter is $2 \times (8 + 7)$.

Question 5

A film starts at 2:50 and lasts 2 hours and 20 minutes. What time does it end?

A) 5:10

140 minutes past 2:50 is 5:10, because $50 + 20$ minutes carries an extra hour.

Question 6

A library had 3,792 books. It received 545 more and lent out 683. How many books does it have now?

B) 3,654

$3,792 + 545 = 4,337$, then $4,337 - 683 = 3,654$.

Question 7

What number comes next: 3, 7, 11, 15, ...?

D) 19

The pattern adds 4 each time.

Question 8

Solve for x: $x + 9 = 23$

D) 14

Subtract 9 from both sides.

Question 9

A protractor is placed on an angle. One scale reads 155 and the other reads 25. The angle is clearly obtuse. What is its measure?

D) 155 degrees

The two protractor scales always add to 180. An obtuse angle is more than 90, so it is 155 degrees.

Question 10

A line plot shows how many books each student read: 3 students read 1 book, 6 read 2 books, 4 read 3 books and 4 read 4 books. How many books were read in total?

A) 10 books Correct: B) 43 books

What this suggests: adds the categories and ignores how many students are in each.

Multiply each number of books by how many students read that many: $1 \times 3 + 2 \times 6 + 3 \times 4 + 4 \times 4$, giving 43 books.

Question 11

What is $(2 + 6) \times 5$?

A) 40

Do the parentheses first: 8×5 .

Question 12

A machine turns each input into an output. It turns 1 into 10, 7 into 40 and 9 into 50. Which rule does the machine use?

A) add 5 and multiply by 5 Correct: B) multiply by 5 and add 5

What this suggests: adds first and multiplies second, in the wrong order.

Test a rule against every row, not just the first. Multiply by 5 and add 5 sends 1 to 10, 7 to 40 and 9 to 50.

Question 13

A number n is multiplied by 5 and then 2 is subtracted. Which expression shows the result?

B) $5n - 2$

Multiply first, giving $5n$, then subtract 2, giving $5n - 2$.

Question 14

Start at the origin, move 4 right and 3 up. What point is this?

A) (4, 3)

Right is the x-coordinate, up is the y-coordinate.

Question 15

How many milliliters are in 2 liters?

C) 2000

One liter is 1000 milliliters.

Question 16

Which decimal is the greatest: 0.02, 0.32, 0.028, 0.6?

D) 0.6

Line the numbers up on the decimal point and compare tenths first; 0.6 is the greatest.

Question 17

A recipe uses 4 cups of flour for every 5 cups of sugar. For 16 cups of flour, how much sugar?

C) 20

Scale the ratio 4:5 by 4.

Question 18

Evaluate $2x + 9$ when $x = 4$.

B) 17

Multiply 2×4 , then add 9.

Question 19

Point P is at (2, -3). It is reflected across the x-axis. What are the coordinates of the image?

A) (-2, -3)

Correct: D) (2, 3)

What this suggests: reflected across the y-axis instead.

Reflecting across the x-axis keeps x and negates y.

Question 20

What is the median of 2, 2, 14, 17, 20?

B) 14

The middle value when ordered is the median.

Question 21

What is $5 \times 5 - 5$?

A) 30

Correct: C) 20

Multiply first, then subtract: $25 - 5$.

Question 22

An input-output table pairs the inputs 1, 2, 3, 5 with the outputs -5, -1, 3, 11. Which rule fits every row?

C) $y = 4x - 9$

Every output is 4 times the input, minus 9: $4 \times 1 - 9 = -5$.

Question 23

Which expression means "4 less than 6 times a number n "?

D) $6n - 4$

Translate the phrase in the order the operations happen; "4 less than 6 times a number n " is $6n - 4$.

Question 24 new question being trialled, not scored

A rectangle 9 by 8 has a 2 by 2 corner cut out. What is the area of the remaining figure?

D) 68 sq cm

Subtract the cut corner: $72 - 4$.

Question 25

Triangle ABC has sides 8, 15 and 17. Triangle DEF has sides 24, 45 and 51. What is true of the two triangles?

C) They are similar, with a scale factor of 3

Every side of DEF is 3 times the matching side of ABC, so the triangles are similar with scale factor 3. Congruent would require equal sides.

Question 26

A line graph shows the number of books borrowed each day: Monday 21, Tuesday 12, Wednesday 14, Thursday 28, Friday 29. Between which two days did the number rise the most?

C) Wednesday to Thursday

The rises and falls are -9, +2, +14, +1, so the biggest rise is Wednesday to Thursday.

Question 27

What is $4\frac{2}{3} \times \frac{3}{4}$?

A) 2 **Correct: B) $1\frac{1}{2}$**

Multiply across: $(4 \times 3)/(2 \times 4)$.

Question 28

What is 25% of 120?

A) 90 **Correct: B) 30**

25% of 120 is 30.

Question 29

A graph shows a car's distance from home. The line rises steadily from 0 km to 236 km over 4 hours. What speed does the line show?

A) 59 km per hour

The gradient is 236 km divided by 4 hours, which is 59 km per hour.

Question 30

Two angles are complementary. One measures 42 degrees. What is the other?

A) 42 degrees **Correct: D) 48 degrees**

What this suggests: assumed complementary angles are equal.

Complementary angles add to 90 degrees, so the other is $90 - 42 = 48$.

Question 31

The line plot shows how many pets each student has. How many students have exactly 2 pets?

A) 4

There are 4 X marks above the number 2, so 4 students have 2 pets.

Question 32

What is 0.7×10 ?

A) 0.7 **Correct: C) 7**

Multiplying by 10 shifts the decimal.

Question 33

A sequence starts at 9. Each term after that is 12 less than the term before it. What is term number 6?

C) -51

Term 6 is $9 - 12 \times 5 = -51$, and the sequence passes below zero.

Question 34

Simplify $12x + 3 - 2x + 12$.

A) $10x + 15$

$12x - 2x = 10x$ and $3 + 12 = 15$, so the expression is $10x + 15$.

Question 35 new question being trialled, not scored

A rectangle 6 by 7 has a 2 by 2 corner cut out. What is the area of the remaining figure?

A) 42 sq cm **Correct: D) 38 sq cm**

Subtract the cut corner: $42 - 4$.

Question 36

Start at the origin, move 6 right and 1 up. What point is this?

A) (6, 1)

Right is the x-coordinate, up is the y-coordinate.

Question 37

A circle graph shows how 240 students travel to school: walk 45%, take the bus 30%, come by car 15%, cycle 10%. How many students walk?

D) 108

45% of 240 is 108 students.

Question 38

Write $\frac{3}{8}$ as a percent.

B) 0.375%

Correct: A) 37.5%

What this suggests: divided but forgot to multiply by 100.

$3 / 8 = 0.375$, and $0.375 \times 100 = 37.5\%$.

Question 39

A team has 42 wins and 24 losses. What is the ratio of wins to losses in its simplest form?

A) 42:24

Correct: C) 7:4

What this suggests: does not simplify the ratio.

42:24 divided through by 6 gives 7:4.

Question 40

Simplify $8x + 11y - 5x + 4y$.

D) $3x + 15y$

$8x - 5x = 3x$ and $11y + 4y = 15y$, so the expression simplifies to $3x + 15y$.

Question 41

A protractor is placed on an angle. One scale reads 35 and the other reads 145. The angle is clearly obtuse. What is its measure?

A) 180 degrees

Correct: D) 145 degrees

What this suggests: read the end of the scale instead of the mark.

The two protractor scales always add to 180. An obtuse angle is more than 90, so it is 145 degrees.

Question 42

What is the mean of 10, 6, 15, 17?

B) 12

Add the values (48) and divide by 4.

One important note

This is a practice result, not an official school assessment score. It uses the same kind of adaptive method that school assessments use, and it is a useful guide for practice, but it is not equivalent to any named test and we do not publish percentile rankings, because we have not collected the representative sample that would be needed to calculate one honestly.