

Maths Challenge!



TANGRAMS

Make sure you have one of each of the pieces.
2 large triangles, 1 medium triangle, 2 small triangles, 1 square and 1 parallelogram.

Make the following shapes and show them to your marker.
Pieces cannot overlap!

1. A square using two shapes
2. A square using four shapes
3. A rectangle using three shapes
4. An isosceles triangle using four shapes
5. A square using seven shapes

CHRIST'S HOSPITAL
A SCHOOL LIKE NO OTHER

CYCLIST PROBLEM

A cyclist is given a problem!
He needs to travel a certain number of kilometres (in yellow), from designated start and end points.
Help him find the right path!

1. B...E
2. E...D
3. F...C
4. C...A
5. A...F

CHRIST'S HOSPITAL
A SCHOOL LIKE NO OTHER

0	$4 + 4 - 4 - 4$	17	$4 \times 4 + (4 + 4)$
1	$(4 \times 4) + (4 \times 4)$	20	$4 \times (4 + 4 + 4)$
2	$(4 + 4) + (4 + 4)$	24	$4 \times 4 + 4 + 4$
3	$(4 + 4 + 4) + 4$	28	$4 \times (4 + 4) - 4$
4	$4 \times (4 - 4) + 4$	32	$4 \times 4 + 4 \times 4$
5	$(4 \times 4 + 4) + 4$	36	$4 \times (4 + 4) + 4$
6	$4 + (4 + 4) + 4$	48	$4 \times (4 + 4 + 4)$
7	$4 + 4 - (4 + 4)$	60	$4 \times 4 \times 4 - 4$
8	$4 + 4 + 4 - 4$	64	$(4 + 4) \times (4 + 4)$
9	$4 + 4 + (4 + 4)$	68	$4 \times 4 \times 4 + 4$
12	$(4 - (4 + 4)) \times 4$	80	$4 \times (4 \times 4 + 4)$

A group of 4 children from Year 5 represented the school brilliantly at the Christ's Hospital School Maths Challenge which took place at The Guildhall in the City of London. They took part in five rounds which tested their logic, problem solving and reasoning skills. What a fun-filled morning of maths!

February 2026