

# Level 1 Test – Skills

Name .....

## Number Facts Section 2 minutes Non-calculator

10 points minus 1 point per incorrect or missing answer. Minimum 0.

Score:

/10

Tick in the right column if correct.

	Question	Answer	Tick
Q1	$2 + 2$		
Q2	$4 + 4$		
Q3	$9 \times 3$		
Q4	$8 - 1$		
Q5	$6 + 7$		
Q6	$27 \div 3$		
Q7	$6 \times 7$		
Q8	$14 - 6$		
Q9	$5 + 9$		
Q10	$7 \times 5$		
Q11	$4 \times 9$		
Q12	$32 \div 4$		
Q13	$3 + 7$		
Q14	$56 \div 7$		
Q15	$15 - 7$		

	Question	Answer	Tick
Q16	$6 \times 8$		
Q17	$7 - 3$		
Q18	$8 + 9$		
Q19	$49 \div 7$		
Q20	$5 \div 5$		
Q21	$3 \times 6$		
Q22	$9 + 5$		
Q23	$14 - 8$		
Q24	$4 \times 9$		
Q25	$36 \div 6$		
Q26	$9 \times 6$		
Q27	$40 \div 8$		
Q28	$3 + 8$		
Q29	$15 - 9$		
Q30	$8 \times 6$		

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## Mental Arithmetic Section 10 minutes Non-calculator

Each question is worth 1 mark. Only answers required. Scribbling paper allowed.

Score:

/15

Tick in the right column if correct.

	Question	Answer	Tick
Q1	$71 + 43$		
Q2	$240 - 170$		
Q3	$500^2$		
Q4	$2400 \div 40$		
Q5	$34 \times 21$		
Q6	$99 \times 60$		
Q7	$600 \div 8$		
Q8	$1.58 + 2.91$		
Q9	$100 - 14.3$		
Q10	$3^5$		
Q11	$\sqrt{49}$		
Q12	$5 - 3^{1/7}$		
Q13	$19 \times 9$		
Q14	$7 - 21 \div 3 \div 2 + 2$		
Q15	$100 \times (20 - 40 \div 4)$		

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## Problem Solving Section 40 minutes Calculators allowed

Work on the paper provided. Show your working and explain your thinking. You will get credit for solving the problems and for your communication. Part solutions will get part of the marks.

Problem Solving Score: /25 Score in the right column.

Communication Score: /10

Q1	How many 2 cm by 2 cm by 2 cm wooden cubes would it take to make a 6 cm by 6 cm by 6 cm cube?	/5
Q2	Belle is twice as old as Codie. In 7 years time she will be $1\frac{1}{2}$ times his age. How many years from now will she be 1.1 times his age?	/10
Q3	Find the sum of the first 100 numbers in this pattern: 34, 41, 48, 55, 62 . . .  Hint: add the first number and the 100 <sup>th</sup> number, then add the second and the 99 <sup>th</sup> .	/10

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## Investigating Section

1 week

Calculators allowed

Work on the paper provided. Show your working and explain your thinking. You will get credit for what you find and for your communication.

Investigating Score: /25

Communication Score: /15

What are the factors of 36?

How many different prisms can be made with 36 cubes?

What about other numbers of cubes?