

Name of pupil		Diagnostic Chart for Section 2											
		Indicate where pupil has difficulty											
		1	2	3	4	5	6	7	8	9	10	11	12
Test 1	Part A												
	Part B												
	Part C												
Test 2	Part A												
	Part B												
	Part C												
Test 3	Part A												
	Part B												
	Part C												
Test 4	Part A												
	Part B												
	Part C												
Test 5	Part A												
	Part B												
	Part C												
Test 6	Part A												
	Part B												
	Part C												
Test 7	Part A												
	Part B												
	Part C												
Test 8	Part A												
	Part B												
	Part C												
Test 9	Part A												
	Part B												
	Part C												
Test 10	Part A												
	Part B												
	Part C												
Test 11	Part A												
	Part B												
	Part C												
Test 12	Part A												
	Part B												
	Part C												

Mental Arithmetic 6 Answers

- What is half of 1.75? 0.875
- $(72 - 48) \times \frac{72}{48} =$ 36
- $(3.25 \times 10^3) + (3.25 \times 10^2) =$ 3575
- $56\% > \frac{5}{6}$. True or false? false
- Add $\frac{2}{3}$ of 30 to $\frac{3}{4}$ of 40. 50
- $15 \div 0.1 =$ 150
- $54 \div (5.4 - 4.5) =$ 60
- Approximate 0.0789 to 2 decimal places. 0.08
- Calculate $401 \div 5$ correct to the nearest ten. 80
- If $a = 2, b = 3, c = 4, d = 5$, find the value of $\frac{bc}{a} + d$. 11
- $\frac{1}{4}(x + 5) = 2$, so $x =$ 3
- What is the smallest number that is exactly divisible by 2, 3 and 5? 30
- If six pens cost £2.20, then 15 pens cost £5.50
- I put down a 30% deposit on a games console costing £420. How much is left to pay? £294
- Change 2yd 1ft 5in to inches. 89in
- Reduce 10st by 10%. Give your answer in pounds (lb). 126lb
- What date is the 100th day of a leap year? 9 April
- How much cheaper is 300g of broccoli at 80p per $\frac{1}{2}$ kg than the same mass at £1.10 per $\frac{1}{2}$ kg? 18p
- A cylindrical tank is 1.2m tall and has a volume of 3m^3 . What is the area of the base of the tank? 2.5m^2
- A square with an area of 9cm^2 is enlarged by the scale factor 4. What is the area of the new square? 144cm^2
- What is the order of rotational symmetry of a rectangle about its centre? 2
- 16 bottles each have a capacity of 492ml. Find their total capacity to the nearest litre. 8l
- A point P has coordinates (5, 3). What are the coordinates of the reflection of P in the y-axis? (-5, 3)
- An architect draws a plan of a school to a scale of 1:500. If the school is 45m long what is its length on the plan? 9cm
- Using the digits 2, 3, 5, 8 subtract the largest two-digit even number from the smallest three-digit even number. Each digit can be used only once in each number. 156