

Year 6

Mark Scheme
Summer

Year 6 – Paper 1: Arithmetic – Mark scheme

Question	Mark(s)	Answer	Guidance
1	1	8,002	
2	1	3.27	
3	1	15,481	
4	1	540	
5	1	12	
6	1	14,072	
7	1	1,258	
8	1	18.5	
9	1	$\frac{2}{9}$	
10	1	$4\frac{2}{4}$ or $4\frac{1}{2}$ or $\frac{18}{4}$	
11	2	1,224	2 marks for correct answer. Award 1 mark for correct use of long multiplication with no more than 1 arithmetical error.
12	1	8.76	
13	1	129	
14	2	1,250g or 1.25kg	1 mark for conversion from kg to g or g to kg 1 mark for calculation to find missing number
15	2	229 minutes or 3 hours 49 minutes	1 mark for conversion from hours and minutes to minutes. 1 mark for calculation
16	1	660	1
17	1	$\frac{2}{40}$	Accept equivalent fractions.

Year 6 – Paper 2: Reasoning – Mark scheme

Question	Mark(s)	Answer	Guidance
1	1	$-7 < -3 < 0$	
2	1	72	
3	2	63,936	1 mark for writing both numbers. 1 mark for completing subtraction.
4	3	272	1 mark 24×17 to find total of sweets 1 mark division by 3 to find 1 third. 1 mark subtraction to find his sweets.
5	2	a) Shape correctly reflected with vertices shown below. b) (1, -4) (2, -1) (4, -1) (5, -4)	
6	2	36	1 mark to show 20 divided by 5 equals 4. 1 mark for finding 9 divisions $\times 4$ equals 36
7	3	a) $\frac{3}{4}$ is bigger – shaded on diagram or common denominator found and compared. b) $<$ $=$	a) 1 mark for three quarters and a clear explanation. b) 1 mark for each symbol
8	3	a) 13 b) Yes there are enough because.....	a) 1 mark for division with answer 12 r1 1 mark for rounding up to 13. b) 1 mark for clear calculation to show there are enough adults. Could be multiplication 25×6 or 144 divided by 6

9	5	<p>a) 55 degrees b) 24 cm² c) 40cm</p>	<p>b) 1 mark for 8×6 1 mark for $48 \div 2$ c) 1 mark for finding original perimeter 1 mark for finding 96 divided by 24 and multiplying 10 by 4</p>
10	3	<p>a) Test 1 b) 72%</p>	<p>a) 1 mark b) 1 mark for adding three percentages 1 mark for dividing by 3</p>
11	2	36 children	<p>1 mark for using appropriate method even if answer is incorrect- eg finding how many degrees is one child, finding if 30 degrees is 6 therefore 10 degrees is 2</p>
12	3	1920ml	<p>Up to 2 marks for showing appropriate methods (this could include bar modelling) $3,950 - 750 = 3200$ $3200 \div 5 = 640$ $640 \times 3 = 1920\text{ml}$</p> <p>Award 1 mark if 1 calculation error is made that is followed through correctly in a logical method.</p>