

Year 7 Assessment 2 Mark Scheme

Question	Answer	Mark	Notes
1	96	1	cao
2	19	1	cao
3	7.94	1	cao
4 (a)	450	1	cao
4 (b)	690	1	cao
4 (c)	5.34	1	cao
4 (d)	0.08046	1	cao
5	832	(1) 2	Any method used with only one numerical error. cao
6 (a)	$\frac{7}{10}$	1	cao
6 (b)	Any 4 squares shaded	1	cao
7	95.7	(1) 2	Any method used with only one numerical error. cao
8 (a)	3	1	cao
8 (b)	52	1	cao
8 (c)	4.2	1	cao
8 (d)	2.9	1	cao
9 (a)	1, 2, 3, 4, 6, 8, 12, 24	(1)	For any four factors correct (and no incorrect factors) Or all correct with up to two incorrect.

9 (b)	7, 14, 21, 28, 35	2	cao
		1	cao
10 (a)	0.375	(1)	For finding $\frac{1}{8}$ as 0.125 or setting up a division with no more than one numerical error.
10 (b)	$\frac{7}{10}$	2	cao
		1	cao
11	11	1	cao
12	Eg, 3417, 3395, 3391, 2764	(1)	For making three numbers in correct descending order.
		2	Any correct answer
13	3, 3, 30, 8	(1)	For any two correct answers
		2	cao
14	$\frac{11}{24}$ or equivalent	(1)	For choosing a denominator which is a multiple of both 6 and 24.
		2	cao
15	$2\frac{13}{30}$ or $\frac{73}{30}$ or equivalent	(1)	For converting $3\frac{5}{6}$ into an improper fraction $\frac{23}{6}$, or $1\frac{2}{5}$ into an improper fraction $\frac{7}{5}$,
		2	cao
16	$2\frac{1}{7}$ or $\frac{15}{7}$ or equivalent	(1)	For multiplying by 3 or dividing by 7.
		2	cao
17	$1\frac{7}{12}$ or $\frac{19}{12}$ or equivalent	(1)	For converting $3\frac{1}{6}$ into an improper fraction $\frac{19}{6}$
		2	cao
18 (a)	£6	1	cao
18 (b)	96 cm	(1)	for finding $\frac{1}{5}$ to be 48.
		2	cao
19 (a)	5.25 kg or 5250 g	(1)	For converting 3.45 kg to 3450 g or converting 1800 g to 1.8 kg.

19 (b)	4.75 kg or 4750 g	(1)	For addition of their two weights.
		3	cao
		1	cao
20	6	(1)	For converting 2 litres to 2000 ml or converting 300 ml to 0.3 litres. Or for an answer of 7
		2	cao
21	$\frac{6}{18}$	1	cao
		1	Reasoning to include simplifying 6/18 to show it is not equal to 3/5
22	$\frac{7}{12}$	(1)	Fraction equivalent to 7/12, or figures 210 or 150 seen.
		2	cao
23	Any number less than or equal to 14	(1)	For fraction 6/15 seen.
		2	cao
24	0.25, 0.32, 0.35, $\frac{2}{5}$, $\frac{3}{5}$	(1)	For just one number misplaced or numbers written in a converted form.
		2	cao
25	Plates = 4 Straws = 1	(1)	For multiples of 30 seen.
		(1)	For the same amount of plates and straws, or the number 120 seen.
		3	cao
26	Eg, 4 = 2 + 2 6 = 3 + 3 12 = 7 + 5 20 = 17 + 3	(1)	For one correct example or two prime numbers chosen
		2	For two fully correct examples.
27	$\frac{219}{315}$	(1)	For correct multiplication of fractions to give $\frac{6}{63}$ oe.
		2	oe