

Answers: SATs Paper 1 Arithmetic Spring 2021.

Paper 1: arithmetic (out of 40 marks)

Question NC ref code	Requirement	Mark	Additional guidance
1 4N2b	9,099	1m	
2 4C2	448	1m	
3 4F10a	120	1m	
4 4C8b	609	1m	
5 4F4	$1\frac{11}{20}$	1m	Also accept $\frac{31}{20}$ or $\frac{31}{20}$
6 5F10	4.132	1m	
7 4N2b	1,021	1m	
8 3C2	1,557	1m	
9 4C8a	12	1m	
10 4C7	3,384	1m	
11 4C8b	0	1m	
12 4F9	0.08	1m	
13 3N2b	921	1m	
14 6C9	210	1m	
15 6F5b	$\frac{1}{9}$	1m	
16 5C5d	169	1m	
17 5C7b	93	1m	

18 6F9a	$\frac{1}{8}$	1m	
19 5C2	52,908	1m	
20 6C7b	<p>Award TWO marks for the correct answer of 52</p> <p>If the answer is incorrect, award ONE mark for a formal method of division with no more than ONE arithmetic error, i.e.</p> <ul style="list-style-type: none"> long division algorithm, e.g. $\begin{array}{r} \overline{51r9} \\ 19 \overline{) 988} \\ \underline{- 950} \quad (50 \times 19) \\ 28 \quad (\text{error}) \\ \underline{- 19} \quad (1 \times 19) \\ 9 \end{array}$ <p>OR</p> $\begin{array}{r} \overline{51} \quad (\text{error}) \\ 19 \overline{) 988} \\ \underline{- 950} \quad (50 \times 19) \\ 38 \\ \underline{- 38} \quad (2 \times 19) \\ 0 \end{array}$ <ul style="list-style-type: none"> short division algorithm, e.g. $\begin{array}{r} \overline{51r9} \\ 19 \overline{) 988} \quad (\text{error in carrying digit}) \end{array}$	Up to 2m	
21 4F10a	150	1m	

22 6C7a	<p>Award TWO marks for the correct answer of 275,887.</p> <p>If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error, e.g.</p> $\begin{array}{r} 7451 \\ \times \quad 37 \\ \hline 52157 \\ 223530 \\ \hline 275687 \quad (\text{error}) \end{array}$ <p>OR</p> $\begin{array}{r} 7451 \\ \times \quad 37 \\ \hline 52157 \\ 223550 \quad (\text{error}) \\ \hline 275707 \end{array}$ <p>Working must be carried through to reach a final answer for the award of ONE mark.</p> <p>Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying the tens:</p> $\begin{array}{r} 7451 \\ \times \quad 37 \\ \hline 52157 \\ 22355 \quad (\text{place value error}) \\ \hline 74512 \end{array}$	Up to 2m	
23 6F4	$\frac{11}{35}$	1m	

<p>24 6C7a</p>	<p>Award TWO marks for the correct answer of 577,152.</p> <p>If the answer is incorrect, award ONE mark for a formal method of long multiplication with no more than ONE arithmetic error, e.g.</p> $\begin{array}{r} 9018 \\ \times \quad 64 \\ \hline 36072 \\ 541080 \\ \hline 577252 \text{ (error)} \end{array}$ <p>OR</p> $\begin{array}{r} 9018 \\ \times \quad 64 \\ \hline 36072 \\ 531080 \text{ (error)} \\ \hline 567152 \end{array}$ <p>Working must be carried through to reach a final answer for the award of ONE mark.</p> <p>Do not award any marks if the error is in the place value, e.g. the omission of the zero when multiplying the tens:</p> $\begin{array}{r} 9018 \\ \times \quad 64 \\ \hline 36072 \\ 53108 \text{ (place value error)} \\ \hline 89180 \end{array}$	<p>Up to 2m</p>	
<p>25 5F10</p>	<p>6.147</p>	<p>1m</p>	
<p>26 6F4</p>	<p>29 $\frac{29}{20}$</p>	<p>1m</p>	<p>Also accept $1\frac{9}{20}$</p>
<p>27 6F5a</p>	<p>$\frac{1}{3}$</p>	<p>1m</p>	<p>Also accept $\frac{2}{3}$</p>
<p>28 6C9</p>	<p>5.982</p>	<p>1m</p>	
<p>29 6F2</p>	<p>210</p>	<p>1m</p>	
<p>30 6F6b</p>	<p>480</p>	<p>1m</p>	

