

Department for Curriculum, Lifelong Learning & Employability
Directorate for Learning and Assessment Programmes
Educational Assessment Unit
End of Primary Benchmark – 2022

MATHEMATICS MARKING SCHEME

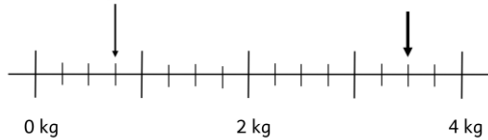
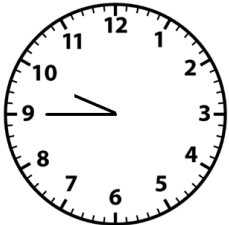
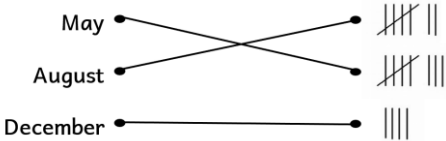
MENTAL PAPER

(1 mark each c.a.o.)

1.	100
2.	4
3.	6 [Do not accept 6·0 as correct.]
4.	'9464' ticked
5.	$\frac{1}{4}$ [or equivalent]
6.	1·75 or 1·750 or $1\frac{3}{4}$ [Do not accept 1 litre 750 ml as correct.]
7.	11:20 or twenty minutes past eleven or 20 minutes past 11 or eleven twenty
8.	35
9.	7000
10.	150
11.	9
12.	7 [Accept 7×7 as correct.]
13.	'True'
14.	60
15.	20
16.	'5 boxes' ticked
17.	75
18.	52
19.	9
20.	$\frac{1}{8}$ ticked

WRITTEN PAPER

Question No.	Answers and Requirements	Marks	Additional Guidance
1. a)	339	1	c.a.o.
b)	552	1	c.a.o.
c)	364	1	c.a.o.
d)	84	1	c.a.o.
2.	A rectangle of perimeter 24 cm drawn with a ruler.	4	c.a.o. If incorrect, award: - 1 mark if a rectangle of any size is drawn with a ruler. - 1 mark if the shape drawn has a perimeter of 24 cm. - 1 mark if the sum of the angles is 360°. - 1 mark if the shape drawn has 2 lines of symmetry only.
3. a)	7.5	2	c.a.o.
b)	132 - 90 42	1 1	seen c.a.o. [If answer is 4.2 or 420 and it is evident that the error is in the conversion, award 1 mark.]
4. a)	2000 - 400 1600	1 1	seen c.a.o.
b)	1600 ÷ 200 8	1 1	seen c.a.o. [f.t. from 4a]
5. a)	24 + 16 + 12 + 8 ÷ 5 12	1 1 1	seen seen c.a.o.
b)	$\frac{1}{3}$ = 21 boys or 21 × 3 [or any other valid working including pictorial representation] 63	1 1	seen c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
6. a)	3500	1	c.a.o.
b)		1	c.a.o.
c)	750×2 or 1500 [package B] $3500 - [1500 + 750]$ 1250	1 1 1	seen seen c.a.o. [f.t. from 6a]
7. a) i.	$180 - 86$ 94	1 1	seen c.a.o.
a) ii.	'an obtuse' underlined	1	c.a.o.
b)	$180 - (94 + 43)$ 43	1 1	seen c.a.o. [f.t. from 7ai]
8. a)	65	1	c.a.o.
b)		1	c.a.o. [Award mark only if both minute and hour hand are drawn accurately.]
c)	Bowling	1	c.a.o.
d)	15:50	2	c.a.o. [Award 1 mark if answer given is 3:50 or 03:50.]
9. a)		1 1 1	c.a.o. c.a.o. c.a.o.
b)	January or Jan	1	c.a.o.
c)	'a common multiple of 2 and 11' ticked	1	c.a.o.

Question No.	Answers and Requirements	Marks	Additional Guidance
10. a)	'Yes' ticked	1	c.a.o.
b)	$5 \cdot 40 \div 3$ [or any other valid working] 1·80	1 1	seen c.a.o.
c)	$280 \div 40$ 7	1 1	seen c.a.o.
11. a)	$27 \div 3$ $\times 5$ 45	1 1 1	seen seen c.a.o.
b)	45×27 1215	1 1	seen c.a.o. [f.t. from 11a]
12. a)	$5 - 1 \cdot 60$ 3·40	1 1	seen c.a.o.
b)	$5 \cdot 70 - 3 \cdot 40$ $3 \cdot 40 - 2 \cdot 30$ 1·10	1 1 1	seen [f.t. from 12a] seen [f.t. from 12a] c.a.o.
13. a)	Friday = $\frac{3}{8} = \frac{15}{40}$ [or equivalent] Saturday = $\frac{2}{5} = \frac{16}{40}$ [or equivalent] Sunday = $\frac{9}{40}$ [or equivalent]	1 1 1	seen seen seen
b)	300 pages = $\frac{3}{4}$ book [or pictorial representation of this] 100 pages = $\frac{1}{4}$ book [or pictorial representation of this] 400	1 1 1	seen seen c.a.o.
14. a)	2 135 , $\frac{3}{8}$ $\frac{1}{2}$	1 1, 1 1	c.a.o. c.a.o. c.a.o.
b)	18:25 + 45 minutes 19:10 / 7:10 p.m.	1 1	seen c.a.o.

