

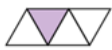
DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Educational Assessment Unit

Annual Examinations for Primary Schools 2024

YEAR 6

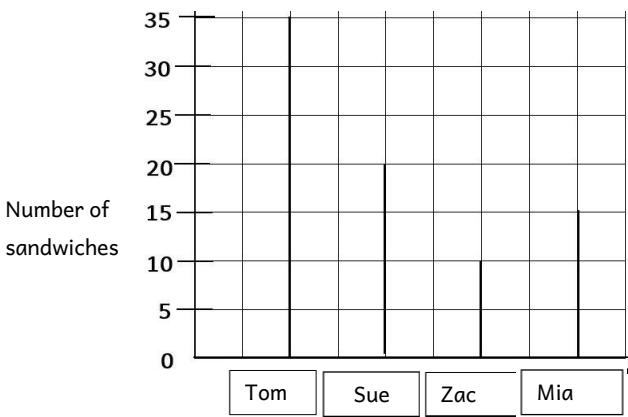
MATHEMATICS

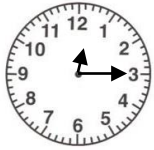
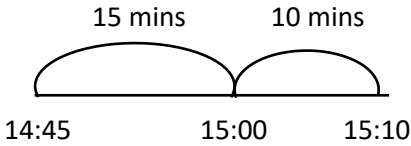
MARKING SCHEME

MENTAL PAPER			
Question No.	Answers and Requirements	Marks	Additional Guidelines
1	40	1	c.a.o.
2	2	1	c.a.o.
3	205	1	c.a.o.
4	150	1	c.a.o.
5	'3 kg' ticked	1	c.a.o.
6	56	1	c.a.o.
7	6	1	c.a.o.
8	900	1	c.a.o.
9	11	1	c.a.o.
10	12	1	c.a.o.
11	14 (Accept other numbers that are exactly divisible by 2 and 7)	1	c.a.o.
12	132, 134, 136, 138	1	c.a.o.
13	16, 25, 100	1	c.a.o.
14	 ticked	1	c.a.o.
15	0.75	1	c.a.o.
16	92	1	c.a.o.
17	18	1	c.a.o.
18	24	1	c.a.o.
19	6	1	c.a.o.
20	12	1	c.a.o.

WRITTEN PAPER			
Question Numbers	Answers and Requirements	Marks	Additional Guidelines
1. a)i.	52	1	c.a.o.
a)ii.	55	1	c.a.o.
b)i.	1,000	1	c.a.o.
b)ii.	3	1	c.a.o.
c)i.	1·0 or 1	1	c.a.o.
c)ii.	7·25	1	c.a.o.
d)i.	25	1	c.a.o.
d)ii.	8	1	c.a.o.
e)i.	8·6 or 8·60	1	c.a.o.
e)ii.	6	1	c.a.o.
2. a)	Sam (Accept 1400 as correct)	2	c.a.o.
2. b)i.	7·9, 8·0 or 8	1	c.a.o.
2. b) ii.	4·2, 4·0 or 4	1	c.a.o.
2. c)	3, 7	1, 1	c.a.o.
2. d)	138,000	2	c.a.o.
2. e) i.	=	1	c.a.o.
2. e) ii.	<	1	c.a.o.
3.		1 1 1 1	Award 1 mark for each correctly shaded square Deduct 1 mark for 2 extra boxes shaded. Deduct 2 marks for 3 or more extra boxes shaded.

Question Numbers	Answers and Requirements		Marks	Additional Guidelines														
4. a)	$\frac{3}{5}, \frac{3}{4}, \frac{6}{5}$	Note: In 4a) Award marks if fractions are presented in common denominator, but in the correct ordinal place.	1	Valid working seen														
			1		c.a.o.													
			b)	$\frac{55}{8}$	1	Valid working seen												
					1		c.a.o.											
5.	b) A quadrilateral has 4 sides	2	c.a.o.															
	c) A square has 4 lines of symmetry	2	c.a.o.															
6. a)	14 x 6	1	seen															
		1	c.a.o.															
	b)	16 x 8 = 128 and/or 128 - 84	1	seen														
		44	1	c.a.o.														
			f.t. from 6a															
7. a)	2	2	c.a.o.															
		2	Accept any other valid reasoning															
b)	Luke is correct because lines BC and AB are not perpendicular.																	
	Note: Award 1 mark only if Luke is given as an answer, and there is no reason provided.																	
Award 0 marks is Luke is given as an answer, and there is a conflicting reason provided.																		
8. a)	<table><tr><th>Container</th><th>Capacity in <i>ml</i></th><th>Capacity in <i>ℓ</i></th></tr><tr><td>Kettle</td><td>600 <i>ml</i></td><td>0.6 <i>ℓ</i></td></tr><tr><td>Juice carton</td><td>180 <i>ml</i></td><td>0.18 <i>ℓ</i></td></tr><tr><td>Water cup</td><td>100 <i>ml</i></td><td>$\frac{1}{10}$ <i>ℓ</i></td></tr><tr><td>Drinking cup</td><td>250 <i>ml</i></td><td>0.25 <i>ℓ</i></td></tr></table>	Container	Capacity in <i>ml</i>	Capacity in <i>ℓ</i>	Kettle	600 <i>ml</i>	0.6 <i>ℓ</i>	Juice carton	180 <i>ml</i>	0.18 <i>ℓ</i>	Water cup	100 <i>ml</i>	$\frac{1}{10}$ <i>ℓ</i>	Drinking cup	250 <i>ml</i>	0.25 <i>ℓ</i>	1	c.a.o.
	Container	Capacity in <i>ml</i>	Capacity in <i>ℓ</i>															
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	Drinking cup	250 <i>ml</i>	0.25 <i>ℓ</i>															
		1	c.a.o.															
b)	A = Juice carton (Accept also 180 ml or equivalent as correct)	1	c.a.o.															
	B = Drinking cup (Accept also 250 ml or equivalent as correct)	1	c.a.o.															

Question Numbers	Answers and Requirements	Marks	Additional Guidelines
9. a)	$75 \div 2 = 37 \text{ r } 1$	1	seen
	38	1	c.a.o.
b) i.	$2 \cdot 50 \times 10 = 25$	1	seen
	10	1	c.a.o.
ii.	$26 \cdot 50 - 25$	1	seen
	€1.50 or 150c	1	f.t. from b) i.
	For 9 accept also valid pictorial representations as working.		
10.	$700 - 170 = 530$	1	seen
	$530 \div 2 = 265$	2	seen
	$265 + 700$	2	seen
			Accept other valid method.
	965	1	c.a.o.
11. a)	obtuse	2	c.a.o.
	$90 + 60$	1	seen
b)	$150 (\pm 2)$	1	c.a.o.
c)	4	2	c.a.o.
12. a)	Sandwiches for a picnic  Teachers	4	1 mark for each correct bar/line/markings. Deduct 1 mark for non-uniform of (or carelessly) drawn bars/lines.
b)	$35 + 20 + 10 + 15 = 80$	1	seen
	$80 \times 2 = 160$	1	c.a.o.

Question Numbers	Answers and Requirements	Marks	Additional Guidelines
13.a)		2	c.a.o. Award 1 mark for the correct position of the minute hand. Award 1 mark for the correct position of the hour hand. No mark is awarded if the hour hand is pointing exactly to 12.
b)	7	2	c.a.o.
c)		1	seen Accept other valid method.
	03:10p.m. or 3:10 p.m. or 3.10 p.m.	1	c.a.o.
14.	 = 2   = 3   = 6 	1 2 2	seen seen seen Award other valid methods.
	10	1	c.a.o.

Legend to Marking Scheme:

c.a.o. correct answer only

f.t. follow through

Other guidelines:

1. No mark in the marking scheme is sub-divisible.
2. Even if no working is shown, a correct answer scores full marks.
3. Incorrect answers – even though nearly correct – score no marks.
4. Incorrect working or statement following a correct answer is ignored.
5. An answer or working that is crossed out and not **replaced** is marked as if it was not crossed out. If the answer or working is replaced, then the crossed out answer or working should not be considered in your marking.
6. If the answer is copied from the working area to the answer area incorrectly, then the marks are awarded fully.
7. Misread loses only the final accuracy mark but f.t. may be allowed on subsequent parts. The method marks may still be earned provided that the part question is not oversimplified.