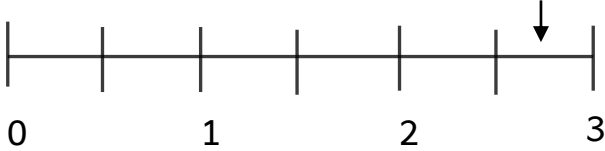
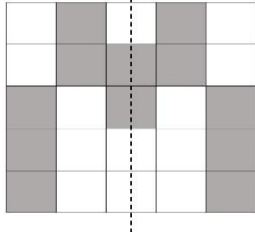


DEPARTMENT FOR CURRICULUM,
LIFELONG LEARNING AND EMPLOYABILITY
Directorate for Learning and Assessment Programmes
Educational Assessment Unit

SPECIMEN

| | | |
|---------------|--------------------|-----------------------|
| YEAR 6 | MATHEMATICS | MARKING SCHEME |
|---------------|--------------------|-----------------------|

| MENTAL PAPER | | | |
|--------------|--------------------------|-------|-----------------------|
| Question No. | Answers and Requirements | Marks | Additional Guidelines |
| 1 | 6 | 1 | c.a.o. |
| 2 | 2 | 1 | c.a.o. |
| 3 | 32 | 1 | c.a.o. |
| 4 | 500 <i>ml</i> | 1 | c.a.o. |
| 5 | 600 | 1 | c.a.o. |
| 6 | 75 | 1 | c.a.o. |
| 7 | 9 | 1 | c.a.o. |
| 8 | 62 | 1 | c.a.o. |
| 9 | 1.75 | 1 | c.a.o. |
| 10 | 18 | 1 | c.a.o. |
| 11 | 2 kilograms | 1 | c.a.o. |
| 12 | 1005 c | 1 | c.a.o. |
| 13 | Three quarters | 1 | c.a.o. |
| 14 | 1180 | 1 | c.a.o. |
| 15 | 600 <i>ml</i> | 1 | c.a.o. |
| 16 | 4 | 1 | c.a.o. |
| 17 | 1 hr 15 min | 1 | c.a.o. |
| 18 | 960 | 1 | c.a.o. |
| 19 | South | 1 | c.a.o. |
| 20 | 64 | 1 | c.a.o. |

| WRITTEN PAPER | | | |
|------------------|---|-------|---|
| Question Numbers | Answers and Requirements | Marks | Additional Guidelines |
| 1. a)i. | 55 | 1 | c.a.o. |
| a)ii. | 6,271 | 1 | c.a.o. |
| b)i. | 173 | 1 | c.a.o. |
| b)ii. | 2.25 | 1 | c.a.o. |
| c)i. | 2,250 | 1 | c.a.o. |
| c)ii. | 34 | 1 | c.a.o. |
| d)i. | 5 | 1 | c.a.o. |
| d)ii. | $9\frac{2}{4}$ or $9\frac{1}{2}$ | 1 | c.a.o. |
| e)i. | 8 | 1 | c.a.o. |
| e)ii. | 3 | 1 | c.a.o. |
| 2.a) | 100, 125 | 1,1 | c.a.o. |
| 2.b) | i. 2,000 ii. 20,000 | 1,1 | c.a.o. |
| 2.c) | i. 45 ii. 345 | 1,1 | c.a.o. |
| 2.d)i. | 0.5 | 1 | c.a.o. |
| 2.d)ii. |  | 1 | c.a.o. |
| 2.e)i. | Thousands or 1,000 | 1 | c.a.o. |
| 2.e)ii. | Hundred Thousands or 100,000 | 1 | c.a.o. |
| 3. |  | 4 | Award 1 mark for each correct shaded square |
| 4 a) | 6.4m is not equal to 6400cm but its equivalent is 640cm. | 2 | Or equivalent seen or implied |
| b) | 8.0 m – 6.4 m | 1 | c.a.o. |
| | 1.6 m | 1 | |

| Question Numbers | Answers and Requirements | Marks | Additional Guidelines |
|------------------|---|------------------|--|
| 5. | i. False ii. True iii. False iv. True | 1 1 1 1 | c.a.o. c.a.o. c.a.o. c.a.o. |
| 6. a) | 135° | 2 | c.a.o. |
| b) | acute | 2 | c.a.o. |
| 7. | | 1 1 1 1 | c.a.o. c.a.o. c.a.o. c.a.o. |
| 8. a) | $€20,000 \div 5$ $€4,000$ | 1 1 | seen or equivalent c.a.o. |
| b) | $€500 \times 8 = €4,000$ 8 months | 1 1 | Seen or equivalent f.t. from 8. a) |
| 9 a) | Saturday | 1 | c.a.o. |
| b) | $15 + 5 + 6 + 4 + 8 + 12 + 20 =$ 70 | 1 1 | seen or equivalent c.a.o. |
| c) | $12 + 8 + 10 + 6 + 4 + 15 =$ 55 $80 - 55 =$ 25 | 1 1 1 1 | seen or equivalent seen or equivalent f.t. from addition |

| Question Numbers | Answers and Requirements | Marks | Additional Guidelines | | | | | | | | | |
|-------------------------------|---|------------------|---|------|----------------------------|------------------|------------------|-------------------------------|-----|-----|--------|--------------------------------|
| 10. a) | 1 apple → 4 bananas → 2 oranges (7 fruits) 2 apples → 8 bananas → 4 oranges (14 fruits) 3 apples → 12 bananas → 6 oranges (21 fruits) | 4 | c.a.o Award 2 marks if answer is incorrect but a valid attempt is seen | | | | | | | | | |
| b) | Tom | 2 | c.a.o. | | | | | | | | | |
| 11. a) | 1000 – 570 430 | 1 1 | seen or implied c.a.o. | | | | | | | | | |
| b) | <table border="1" data-bbox="375 896 880 1104"> <thead> <tr> <th></th> <th>odd</th> <th>even</th> </tr> </thead> <tbody> <tr> <td>Less than $\frac{1}{2}$ kg</td> <td>375, 425, 355</td> <td>220, 480, 310</td> </tr> <tr> <td>Heavier than $\frac{1}{2}$ kg</td> <td>525</td> <td>570</td> </tr> </tbody> </table> | | odd | even | Less than $\frac{1}{2}$ kg | 375, 425, 355 | 220, 480, 310 | Heavier than $\frac{1}{2}$ kg | 525 | 570 | 2 2 | or equivalent or equivalent |
| | odd | even | | | | | | | | | | |
| Less than $\frac{1}{2}$ kg | 375, 425, 355 | 220, 480, 310 | | | | | | | | | | |
| Heavier than $\frac{1}{2}$ kg | 525 | 570 | | | | | | | | | | |
| 12. a) | 10:29 11:38 13:12 | 1 1 1 | c.a.o. c.a.o. c.a.o. | | | | | | | | | |
| b) | Bus C | 1 | seen or pictorial representation | | | | | | | | | |
| c) | 13:12 + 1hr 15mins 14:27 | 1 1 | c.a.o. | | | | | | | | | |
| 13. a) | 16 cm x 50 cm = 800 cm ² | 1 1 | Seen or implied c.a.o. | | | | | | | | | |
| b) | i. 50 cm – 16 cm = 34 cm ii. 34 + 50 + 16 + 16 + 16 + 50 + 16 + 16 + 50 + 16 + 16 = 296 cm | 1 1 1 1 | seen or implied c.a.o. seen or implied f.t. from 13. b) | | | | | | | | | |

| Question Numbers | Answers and Requirements | Marks | Additional Guidelines |
|------------------|--------------------------------------|-------|--|
| 14. a) | $54^\circ + 9^\circ = 63^\circ$ | 1 | seen or implied |
| b) | $54^\circ + 63^\circ = 117^\circ$ | 1 | seen or implied* |
| | $180^\circ - 117^\circ = 63^\circ$ | 1 | seen or implied* |
| | $63^\circ - 11^\circ = 52^\circ$ | 1 | seen or implied* |
| | $u = 52^\circ \div 2 = 26^\circ$ | 1 | seen or implied* |
| | $t = 26^\circ + 11^\circ = 37^\circ$ | 1 | seen or implied* *f.t. throughout each step |

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.