ORAL MENTAL ARITHMETIC TESTS – TEACHER NOTES

* These mental arithmetic tests are designed to be read out by the class teacher
* The pupils should answer the questions in silence, writing answers on paper or in the back of their books
* Each test consists of 25 questions with answers at the bottom of the sheet
* Each question should be read out twice
* The whole test should take approximately 30 mins (max) to complete
* Once the test has been completed, the teacher should go through the answers, pointing out short cuts and/or quicker methods
* The pupils should aim to match or beat their own score every time a mental test is carried out
* After each test, the results should be recorded in their subject record sheets in their planners
* Each mental test covers a particular level:

Mental Test 1 Level 4

Mental Test 2 Level 4

Mental Test 3 Level 5

Mental Test 4 Level 5

* Pupils who achieve 25/25 should be given two credits
* Pupils who beat their last score should be awarded one credit

**Mental Test 1**

1. A pack of 15 biscuits is shared equally between 5 people. How many biscuits does each person receive?
2. Write in figures: 3003
3. How many 2’s are there in 8?
4. The temperature falls from 27 degrees to 19 degrees. By how many degrees has the temperature fallen?
5. Add together 5, 9, 7, 9
6. Divide 500 by 100
7. What is 6 multiplied by itself?
8. How many days are there in 9 weeks?
9. How many minutes are there in 4 hours?
10. Multiply 52 by 100
11. There are 38 passengers in one coach, and 52 passengers in another coach. How many passengers are there altogether?
12. From 48 take 16
13. What is ten more than 393?
14. What is a hundred more than 797?
15. What is the name of a five sided shape
16. What is twice 54?
17. From 2, subtract 0.4?
18. A taxi can carry 6 people. How many taxis are needed for 40 people?
19. I have 3 cakes and cut each of them into 4 parts. How many parts do I have?
20. 58% of people in a week pass their driving test. What percentage failed?
21. A car journey is expected to take 3 hours and 10 minutes. If the journey starts at 11.20 at what time should it finish?
22. I have £9 in my pocket and I spend £7.25 how much do I have left?
23. Add together the first five odd numbers.
24. Take away 29 from 47
25. How many days are there in this year?

# Answers

1. 3 22. £1.75
2. 3003 23. 25
3. 4 24. 18
4. 8 degrees 25. 365 (366 in 2012)
5. 30
6. 5
7. 36
8. 63 days
9. 240 minutes
10. 5200
11. 90
12. 32
13. 403
14. 897
15. pentagon
16. 108
17. 1.6
18. 7
19. 12
20. 42%
21. 2.30 (am or pm) or 1430

# Mental Test 2

1. How many is it from 1000 to 2000?
2. How many 2’s are there in 22?
3. From 60 subtract 46
4. A man drives 15 km away from home, turns around and drive 6 km back towards his home and, then, drives 15 km further away from home. How far is he now from his home?
5. What are ten 10’s?
6. Write down a multiple of 5 which is less than 20
7. What is 27 multiplied by 100?
8. How many days are there in 8 weeks?
9. Divide 590 by 10?
10. I have 5 cakes and cut each of them in half. How many parts do I have?
11. Garden plants are sold in trays of nine plants. How many trays will be needed for 70 garden plants?
12. Subtract 26 from 60
13. How many seconds are there in 10 minutes?
14. Add 33 and 67
15. What is 10 more than 299?
16. What is an 8 sided shape called?
17. I have £107 in my pocket and spend £44. How much do I have left?
18. What is 11 multiplied by 9?
19. What is nought point one two added to nought point two one.
20. A fifty minute coach journey starts at 10.35. At what time should it finish?
21. A woman won a prize of £4515 and another prize of £600. How much did she win altogether?
22. Add 89 and 42
23. How many 4’s are there in 200?
24. Multiply 60 by 11
25. What change should you get from a £50 note when four tickets are bought at £11.50 each?

# Answers

1. 1000 25. £4
2. 11
3. 14
4. 24 km
5. 100
6. 5, 10 or 15
7. 2700
8. 56 days
9. 59
10. 10
11. 8
12. 34
13. 600 seconds
14. 100
15. 309
16. Octagon
17. 63
18. 99
19. 0.33
20. 11.25 (am or pm)
21. 5115
22. 131
23. 50
24. 660

# Mental Test 3

1. Divide 2400 by 100
2. What is 2 squared?
3. In a hall there are 43 rows of chairs and 10 chairs in each row. How many chairs are there altogether?
4. What are seven 3’s?
5. Write down a multiple of 7, which is less than 20?
6. How many millimetres are there in 8 and a half centimetres?
7. From 5 subtract 8
8. 70 people have paid a travel agent £300 for a holiday. What is the total amount of money taken by the travel agent?
9. Multiply 42 by 7
10. How many kilometres are there in 7000 metres?
11. A driver has completed 56 km of a journey of length 102 km. How far has she still yet to drive?
12. To 5.03 add 2.4
13. What is twice 37?
14. Multiply 57 by 3
15. How many halves are there in 5 and a half whole ones?
16. 25% of a 400 kg load of sand has been removed from a lorry. What is the weight of sand removed?
17. Write down all the prime numbers between 20 and 25
18. Multiply 415 by 4
19. A gallery has 283 pictures, but another 38 pictures arrive. How many pictures does the gallery now have?
20. Write 150 minutes in hours
21. Add 435 to 798
22. How many 6’s are there in 5202?
23. What number is half way between 6.5 and 8.5?
24. Divide 340 by 17
25. Multiply 44 by 11

# Answers

1. 24 24. 20
2. 4 25. 484
3. 430
4. 21
5. 7 or 14
6. 85 millimetres
7. –3
8. £21000
9. 294
10. 7 km
11. 46 km
12. 7.43
13. 74
14. 171
15. 11
16. 100 kg
17. 23
18. 1660
19. 321
20. 2 and a half hours
21. 1233
22. 867
23. 7.5

# Mental Test 4

1. A century means 100 years. How many years are there in 75 centuries?
2. What are six 7’s?
3. How many 10’s are there in 900?
4. Write down a multiple of 4 which is less than 15
5. What is 2 times 2 times 2?
6. There are 52 sweets in a packet. How many sweets are there in four packets?
7. What is 7000 multiplied by 60?
8. To –3 add –2
9. How many kilometres are there 7820 metres?
10. Write in figures half a million
11. Write down the perimeter of a square who’s side length is 5 cm
12. What is 85 less than 123?
13. From 3.07 subtract 1.02
14. Multiply 18 by 8
15. A lesson lasted from 9.25 to 10.10. How long was the lesson?
16. What is 427 multiplied by 3?
17. What is half of 150 metres?
18. What is 63 more than 798?
19. From 303 subtract 98
20. Jerry is given a discount of 10% off a £800 car. How many pounds are knocked of the car?
21. Divide 6224 by 8
22. How many 11’s are there in 330?
23. Two items of jewellery cost £485, and £847. What is the total cost of the jewellery?
24. What number is half way between 3.7 and 7.7?
25. Divide 4809 by 7

# Answers

1. 7500 years
2. 42
3. 90
4. 4, 8 or 12
5. 8
6. 208
7. 420,000
8. –5
9. 7.82 km
10. 500,000
11. 20 cm
12. 38
13. 2.05
14. 144
15. 45 minutes
16. 1281
17. 75 m
18. 861
19. 205
20. £80
21. 778
22. 30
23. £1332
24. 5.7
25. 687