

MATHEMATICS

Time allowed for this paper: 50 Minutes

Name

Date of birth PAPER 11



Answer the following questions in the space provided, showing all necessary working clearly.

If you are unable to do a particular question go onto the next one and return to it later.

Electronic calculators are not allowed in this exam.

| Question | Working | Answer |
|---|---------|--------|
| 1. What is? $33 + 21 \div 9 \times 24$ | | |
| 2. What is? $61 \times 12 \times 9 \div 4 \div 3$ | | |
| 3. What is? $31 \times 7 \times 15 \div 5 \times 7$ | | |
| 4. What is? $246 \div 6 \times 9 \div 3 \times 7$ | | |
| 5. What is? $78 - 31 \times 24 \times 6 \div 9$ | | |

| Question | Working | Answer |
|--|---------|--------|
| 6. Divide $205 \div 0.5 \div 2.5$ | | |
| 7. Subtract $10.01 - 5.5 - 2.13$ | | |
| 8. Divide $6.88 \div 0.5 \div 0.2$ | | |
| 9. Add $3.09 + 1.5 + 2.043$ | | |
| 10. Subtract $13.222 - 4.3 - 2.1$ | | |

| Question | Working | Answer |
|--|---------|--------|
| 11. $A = 2$ $B = 8$ $C = 4$ $D = 12$ What is $B - A \times C + D$? | | |
| 12. $A = 3$ $B = 6$ $C = 8$ $D = 13$ What is $D \times A - C \times B$? | | |
| 13. $A = 12$ $B = 6$ $C = 16$ $D = 7$ What is $B \times A + C - D$? | | |
| 14. $A = 9$ $B = 18$ $C = 11$ $D = 8$ What is $D \times A - C + B$? | | |
| 15. $A = 8$ $B = 11$ $C = 10$ $D = 7$ What is $B - C + A + D$? | | |

| Question | Working | Answer |
|---|---------|--------|
| 16. Number Sequences 11 6 12 7 14 9 (?) | | |
| 17. Number Sequences 14 17 16 20 19 25 (?) | | |
| 18. Number Sequences 7 13 9 15 11 17 (?) | | |
| 19. Write $\frac{28}{84}$ in its lowest form. | | |
| 20. Number Sequences 9 18 13 26 21 42 (?) | | |

| Question | Working | Answer |
|--|---------|--------|
| <p>21. If a 3 metre pipe cost the builder £9.60 How much will the builder have to pay for 180 metres of the same pipe?</p> | | |
| <p>22. I go cycling every day for three weeks. I cycle for 90 minutes each day. I cycle at an average of 18 miles per hour. By the end of the three weeks how many miles will I have cycled?</p> | | |
| <p>23. If I am three times older than my dog and she was 4 three years ago how old am I?</p> | | |
| <p>24. If a man walks 90 metres in 45 seconds. How far in kilometres will he have walked in 45 minutes?</p> | | |
| <p>25. What is 15% of 29000</p> | | |

| Question | Working | Answer |
|---|---------|--------|
| <p>26. If my watch is 13 minutes fast what time is it really if it says 21.11 when I leave home?</p> | | |
| <p>27. If one cat eats 3 fish a day how many fish will I need to feed 4 cats for 12 weeks?</p> | | |
| <p>28. If the temperature was 18.5 degrees on Monday 26.5 degrees on Tuesday 16.5 degrees on Wednesday 22.5 degrees on Thursday. What was the average temperature over the four days?</p> | | |
| <p>29. From my house it takes me 28 minutes to get to the train station. If my train arrives 16 minutes after I arrive at the train station. The journey takes one and a half hours and I arrive at work at 10am. What time did I leave home?</p> | | |
| <p>30. If one bird eats 9 grapes a day how many grapes will I need to feed 4 birds for 8 weeks?</p> | | |