

MATHEMATICS

Time allowed for this paper: 50 Minutes

Name

Date of birth PAPER 12



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? $321 - 71 \times 9 \times 23 \div 5$		
2. What is? $73 + 311 \div 8 \times 54$		
3. What is? $67 \times 14 \times 9 \div 14 \times 7$		
4. What is? $71 \times 8 \times 16 \div 8 \div 4$		
5. What is? $222 \div 6 \times 14 \div 7 \times 34$		

Question	Working	Answer
6. Divide $432 \div 8 \div 6 \div 0.5$		
7. Subtract $54.09 - 1.007 - 7$		
8. Divide $8 \div 0.5 \div 0.2$		
9. Multiply 5.1×5.1		
10. Subtract $7.2 - 6.3 - 0.01$		

Question	Working	Answer
11. A = 9 B = 5 C = 6 D = 11 What is $A \times B - C + D$?		
12. A = 14 B = 6 C = 10 D = 18 What is $D \times A + C \times B$?		
13. A = 4 B = 15 C = 14 D = 8 What is $B \times C + A - D$?		
14. A = 5 B = 7 C = 9 D = 13 What is $A \times B + C - D$?		
15. A = 13 B = 8 C = 9 D = 14 What is $D \times B - C + A$?		

Question	Working	Answer
16. Number Sequences 6 3 18 9 54 (?)		
17. Number Sequences 10 2 20 4 40 8 (?)		
18. Number Sequences 12 3 24 6 48 12 (?)		
19. After walking 972 metres I was $\frac{1}{3}$ of the way home. How much further did I have to walk?		
20. Number Sequences 10 5 60 30 180 (?)		

Question	Working	Answer
<p>21.</p> <p>If the one pound gets 1.6 Euro when it is exchanged, how many Euros will I get for 248 pound?</p>		
<p>22.</p> <p>If a man buys 150 bricks for £300. Thirty of the bricks are broken and are thrown away.</p> <p>The man then sells the remaining bricks for £3.20 each.</p> <p>How much profit did he make?</p>		
<p>23.</p> <p>What is</p> $4.4 \times 0.5 + 4.4 \times 0.5$		
<p>24.</p> <p>My car uses one gallon of petrol to travel 42 miles.</p> <p>Petrol costs £6.50 a gallon.</p> <p>How much will the petrol cost to travel 630 miles?</p>		
<p>25.</p> <p>What is 20% of 5830</p>		

Question	Working	Answer
<p>26. If four rabbits eats 16 carrots a day how many seeds will I need to feed 6 rabbits for 6 weeks?</p>		
<p>27. Number Sequences 5 20 8 32 20 80 (?)</p>		
<p>28. If two chickens eats 16 seeds a day how many seeds will I need to feed 8 chickens for 6 weeks?</p>		
<p>29. From my house it takes me 42 minutes to get to the train station. If my train arrives 8 minutes after I arrive at the train station. The journey takes one and a quarter hours and I arrive at work at 10.08am. What time did I leave home?</p>		
<p>30. If the temperature was 2.25 degrees on Monday 29 degrees on Tuesday 18.25 degrees on Wednesday 26.5 degrees on Thursday. What was the average temperature over the four days?</p>		