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Police Standard Entrance Test

S.E.T. Specimen Paper Number

Do not turn the paper over until you are told to do so

Instructions to the candidate

1. You are allowed 30 minutes to complete this test.
2. The test is made up of 1 section with 20 questions.
3. You must attempt all of the questions.
4. Page 5 of the test paper may be used for working out your answers.
5. Use ink to complete the test.

After 30 minutes you will be told to put down your pens.

The use of calculators is not permitted.

Name:

Centre:

Date:

TOTAL MARK

SECTION 1

Read each question carefully.

Write your answer in the box provided.

You may use any space on the paper for working out your answers. Your working out will not be marked.

Study the example below to make sure you understand how to do the test.

Example Question: $15 + 72$

$$\begin{array}{r} 15 + \\ \underline{72} \\ 87 \end{array}$$

Answer:

1. $72 - 27$

Answer:

2. 11×62

Answer:

3. $(36 \div 3) + 6$

Answer:

4. 32×67

Answer:

5. $216 - 139$

Answer:

6. $36 \div (4 + 5)$

Answer:

7. $9481 - 752$

Answer:

8. 370×70

Answer:

For office use only

Q1 (1) Q2 (1)

Q3 (1) Q4 (1)

Q5 (1) Q6 (1)

Q7 (1) Q8 (1)

Sub Total

9. A rugby stadium holds 36,000 spectators. The ratio of police to spectators is to be 1 : 180. How many police officers will be needed?

Answer:

For office
use only

Q9
(1)

10. Heavy winds during the week resulted in the suspension bridge being closed between the hours of 1345 and 1630 on Tuesday, 1005 and 1150 on Thursday, 0800 and 1015 on Friday. For how long (in hours and minutes) was the bridge closed altogether?

Answer:

Q10
(1)

11. An incubator for the hospital costs £20,000. One fund raising group has raised £6,425.50 and another has raised £5,237.75 towards the cost of the equipment. How much more money has still to be raised?

Answer:

Q11
(1)

12. A car travels a distance of 240 miles. For the first 10 miles and the last 20 miles it is travelling through built up areas and can only travel at an average speed of 20 miles per hour. For the rest of the journey it averages 60 miles per hour. How long does the journey take?

Answer:

Q12
(1)

13. In the local photo printing shop, it costs £3.99 to have a 36 exposure film developed. A special offer entitles you to 10% off if you have two films developed. How much would you pay to have two 36 exposure films developed?

Answer:

Q13
(1)

14. Loch Tay measures 9 cm long on a road map where 4 cm represents 10 kilometres. How long is Loch Tay?
(1kilometre = 100,000 cm)

Answer:

Q14
(1)

Sub Total

15. During a march to demonstrate against unemployment, 16,000 people are expected in the city centre. The ratio of police to marchers is to be 1 : 320. How many police will be needed?

Answer:

For office use only

Q15
(1)

16. Police attended a collision caused by ice on the road at 10.20. The gritter had been along the road three and a half hours previously. At what time (in 12 hour time) had the road been gritted?

Answer:

Q16
(1)

17. The police forensic section has an equipment budget of £4,000. Staff bought four cameras at a cost of £550.75 each and developing equipment at £1247.

- a) How much did they spend?

Answer:

Q17a
($\frac{1}{2}$)

- b) How much is left?

Answer:

Q17b
($\frac{1}{2}$)

18. A cyclist travels at an average speed of 21 miles per hour for three and a half hours. A rambler walks at 4 miles per hour for the same time. How much further does the cyclist travel?

Answer:

Q18
(1)

19. A packet of breakfast cereal usually contains 940 grams. A special offer pack provides 20% extra for the same price. How much breakfast cereal do you get in the special offer pack?
(1,000 grams = 1 kilogram)

Answer:

Q19
(1)

20. The distance from Perth to Oban measures 66 cm on the map. 4 cm represents 10 kilometres. How far is it from Perth to Oban?

Answer:

Q20
(1)

Sub Total

You may use this page for working out your answers.
Your working out will not be marked.