11+
Practice Test
Set A: Paper 1

Read the following:

Do not open this booklet or start the test until you are told to do so.

1. This test can be taken in either multiple-choice or write-in format.
2. If you are taking it as a multiple-choice test you should mark your answer to each question in pencil on the separate answer sheet. Mark the correct box quickly and neatly using a horizontal line.
3. If you are taking it as a write-in test you should write your answer to each question in pencil on the paper. Write your answer carefully in the space provided or, if there is a range of options, mark the correct box quickly and neatly using a horizontal line.
4. If you make a mistake, rub it out and mark your new answer clearly.
5. There are six sections in this test.
6. The time allowed for each section is given at the start of that section. You will have a total of 45 minutes to complete the timed sections of the test.
7. Each section includes examples showing you how to answer the questions. You may refer to these examples at any time as you work through the section.
8. Do as many questions as you can. For some questions you will be given a range of options — if you get stuck on one of these questions, choose the answer that you think is most likely to be correct, then move on to the next question. If you get stuck on a question for which no options are given, leave it and move on to the next question. If you have time at the end of the section, go back and have another go at the questions you could not answer.
9. You should do any rough working on a separate piece of paper.

Work carefully, but go as quickly as you can.

SECTION 6: NUMERICAL REASONING

READ THESE EXAMPLE QUESTIONS. YOU MAY RETURN TO THESE EXAMPLES AT ANY TIME AS YOU WORK THROUGH THIS SECTION.

(A) Which of the following fractions is equivalent to $\frac{6}{8}$?

$\frac{3}{4}$ ▭ $\frac{1}{2}$ ▭ $\frac{10}{16}$ ▭ $\frac{18}{36}$ ▭ $\frac{1}{5}$ ▭

(B) Nassima bought 6 footballs. Each football cost £2.99. How much did she spend in total?

£ [1] [7] . [9] [4]

⚠ WAIT UNTIL YOU ARE TOLD TO GO ON ⚠

🕐 YOU HAVE 9 MINUTES TO COMPLETE THIS SECTION

THERE ARE 23 QUESTIONS IN THIS SECTION

1 This mileometer shows how many miles a car has been driven.

If Kyle drives the car one more mile, what will the new mileometer reading be?

099999

[ ] [ ] [ ] [ ] [ ] [ ] miles

2 Tara starts at a number and counts on in steps of 7.
She counts to 31.
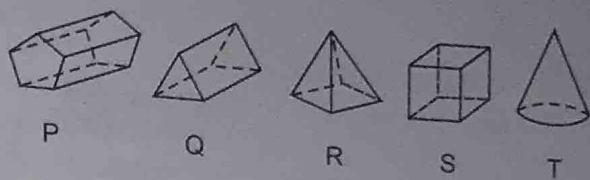Which number could she have started from?

2 ▭ 5 ▭ 7 ▭ 10 ▭ 16 ▭

3 Round 7.038 to the nearest hundredth.

[ ] . [ ] [ ]

4 How many lines of symmetry does a regular octagon have?

[ ] [ ]

5 Which of these shapes are prisms?

P Q R S T

P, Q and S	Q, R and T	P and S only	R and T only	Only S
☐	☐	☐	☐	☐

6 A dance club needed new shoes. They ordered the following sizes:

3   4   6   7   5   4   6   3   6   2

What is the mode of these shoe sizes?

☐

7 Which estimate best describes the height of an average car?

13 m	1.3 km	130 cm	130 mm	13 cm
☐	☐	☐	☐	☐

8 The pictogram shows the number of cars of different colours in a car park.

Colour of car	Number of cars
silver	◎ ◎ ◎ ◎ ◎
red	◎ ◎ ◖
black	◎ ◎ ◎ ◖
blue	◎ ◎ ◎ ◎ ◖
green	◎ ◖

◎ = 4 cars

How many more silver cars were there than black cars in the car park?

☐☐

9 There are 24 people on a bus.
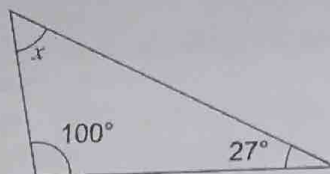8 people get off the bus and 5 people get on.
How many people are on the bus now?

☐☐

10 A number is exactly divisible by 3 and 4.
Which of these numbers could it be?

210	330	340	400	480
☐	☐	☐	☐	☐

GO TO THE NEXT QUESTION ⇨

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(11) What is the size of the missing angle x in this triangle?

x

$100°$ $27°$

☐ ☐ ☐ °

(12) Claire is sharing a cake between her friends.
She cuts it into 24 pieces and gives 18 away.
What fraction of the cake does she have left?

$\dfrac{3}{4}$ $\dfrac{1}{3}$ $\dfrac{1}{4}$ $\dfrac{2}{9}$ $\dfrac{4}{9}$

☐   ☐   ☐   ☐   ☐

(13) Carol buys 137 boxes of pencils for her school. Each box contains 44 pencils. In total she has 6028 pencils.
She also orders 137 boxes of erasers. Each box contains 22 erasers.
How many erasers does Carol have in total?

☐ ☐ ☐ ☐

(14) This year the 4th of June is a Monday.
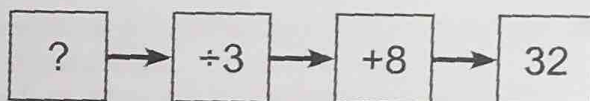What day of the week is the 27th of June?

Monday   Tuesday   Wednesday   Thursday   Friday

☐   ☐   ☐   ☐   ☐

(15) This machine divides a number by 3 and then adds 8.

? → ÷3 → +8 → 32

What number was put into the machine?

☐ ☐ ☐

(16) A supermarket checks the temperature of its storeroom.
At 10 am the temperature was −6 °C. By 10 pm it had fallen
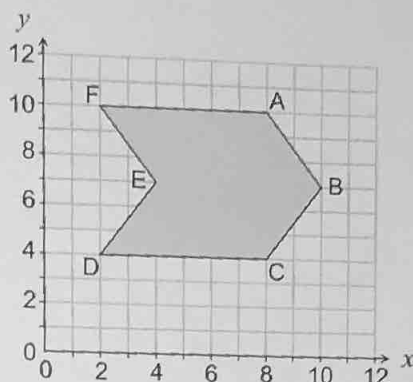by 9 °C. What was the temperature of the storeroom at 10 pm?

− ☐ ☐ °C

(17) Kai buys a book for £4.99 and a birthday card for £1.45.
What change does he get from £10?

£ ☐ . ☐ ☐

18 In Amina's school there are 560 children.
45% of the children have blue as their favourite colour.
How many children in the school like blue the best?

☐☐☐

19 What are the coordinates of point B on the hexagon to the right?

(☐☐ , ☐☐)

20 Andrew has £21.60 and Julie has £15.40. Andrew wants to give some of his money to Julie so that they have an equal amount.
How much money does Andrew need to give Julie?

£ ☐☐ . ☐☐

21 Sean has £15 in his savings. He plans to save £2 each week.
Which expression shows how much money in pounds he will have after n weeks?

$15n$ ☐ $2n$ ☐ $2n + 15n$ ☐ $2n + 15$ ☐ $17n$ ☐

22 Jay has morning lessons from 8.40 am until lunch at midday.
He stops for a morning break that lasts from 10.35 am until 10.50 am.
How long does Jay spend in morning lessons?

☐ hours ☐☐ minutes

23 Chocolates can have hard centres or soft centres.
A box of chocolates has twice as many hard-centred chocolates as soft-centred ones. There are 22 soft-centred chocolates in the box. How many chocolates are there in the box in total?

☐☐

✖

STOP — YOU MAY CHECK YOUR ANSWERS IN THIS SECTION ONLY