Cambridge Lower Secondary Progression Test
Mathematics paper 3 teacher instructions
Stage 7

approx. 15 minutes

READ THESE INSTRUCTIONS FIRST

1. Learners should only have pens and answer sheet. They are not allowed to have any other mathematical equipment or paper for working out.

2. The teacher will need a watch or clock that tells the time accurately in seconds.

3. The teacher should read each question twice slowly and then wait the correct number of seconds (5 seconds for questions 1–15 and 10 seconds for questions 16–20) before moving on to the next question.

4. Learners are not allowed to ask questions during the test.

Read the text in italics to the learners:

Listen carefully to these instructions. You will not have the opportunity to ask questions during the test.

You will be asked 20 questions. On your sheet there is an answer box for each question. You should work out your answers in your head. Do not try to write down your calculations because this will take up too much time. For some of the questions, important information is already written down for you on the sheet.

Each question will be read aloud twice. You will then have time to work out your answer. If you don't know the answer to the question, leave it and wait for the next question. If you want to change your answer, put a cross through your first answer and write your new answer nearby.

For the first group of questions you will have 5 seconds to work out each answer. For the second group of questions you will have 10 seconds to work out each answer. Each question is worth one mark.

Do you have any questions about the test?

(Answer any questions the learners may have.)

Write your name on the front of the answer sheet.

(Begin the test.)

Now we are ready to start the test.

For this first group of questions, you will have 5 seconds to work out each answer and write it down.

1   Work out seven squared.

2   Look at the number line on your answer sheet.
      Write down the number that the arrow is pointing to.

3   Write down the number of lines of symmetry of a square.

4   A shelf is fifty centimetres long.
      Work out the maximum number of six-centimetre thick books that will fit on the shelf.

5   Look at the grid on your answer sheet.
      Write down the coordinates of point *A*.

6   Look at the words and numbers on your answer sheet.
      Draw lines to match these words to the correct probabilities.

7   Seven is subtracted from twelve and the result is multiplied by four.
      Work out the answer.

8 Mia throws a ball at a basketball hoop 20 times.
   She scores a basket 7 times.
   She misses 13 times.
   Use this information to estimate the probability of Mia scoring a basket.

9 Add five point one to three point two five.

10 Lily has a fair spinner numbered one to five.
   She spins it once.
   Write down the probability that Lily gets the number two.

11 Look at the triangle on your answer sheet.
   Find the size of the third angle in the triangle.

12 A number *x* is multiplied by four and the result is twenty-eight.
   Write an equation to represent this.

13 Look at the shape on your answer sheet.
   Work out the percentage of the shape which is shaded.

14 Draw a ring around the fraction which is equivalent to three quarters.

15 Chen plots a point on the line *y* equals three *x* minus one.
   The *x*-coordinate is six.
   Work out the *y*-coordinate.

For this group of questions, you will have 10 seconds to work out each answer and write it down.

16 Look at the shape on your answer sheet.
   Find the perimeter of the shape.

17 Look at the numbers on your answer sheet.
   Draw a ring around the numbers which are exactly divisible by both two and three.

18 Two pieces of a chocolate bar contain forty-two calories.
   Work out the number of calories in five pieces of the chocolate bar.

19 Look at the cuboid on your answer sheet.
   Find the volume of the cuboid.

20 Work out two point four divided by six.

Now put down your pen. The test is finished.

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