

ISEB Assessments

Year 8 Mental Arithmetic Test 3

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This test contains 10 questions worth 1 mark each.

- 10 marks are available in total.
- Calculators are not allowed.
- You should take between about 5 and 10 minutes to complete the test.
- It is recommended that you read each question twice.
- Do all the calculations in your head and write down only the answer, in the space provided.
- Answer the questions as quickly as possible – 10 seconds should be sufficient for you to write your answer after you have finished reading the question.
- Remember that for many questions a variety of strategies can be used.

NOTE TO TEACHERS

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1. Peter and Elsie share their sweets in the ratio of three to five.

If Elsie receives twenty sweets, how many will Peter receive?

Answer: sweets (1)

2. Write three hundred and forty-nine centimetres in metres, correct to the nearest metre.

Answer: m (1)

3. At St Bernard's School there are three times as many boys as girls.

If there are one hundred and twenty-five girls, how many pupils are there at St Bernard's School?

Answer: pupils (1)

4. Find the mean value of the numbers seven, twelve and fourteen.

Answer: (1)

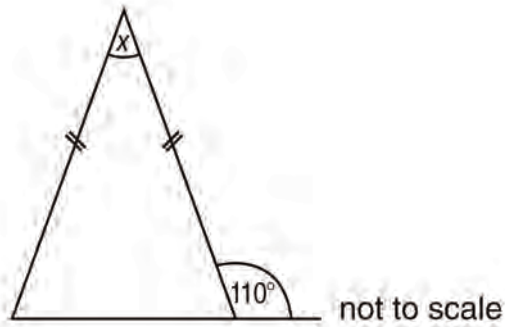
5. I buy a watch for seventy pounds.

I make a profit of twenty percent when I sell it.

For what price do I sell the watch?

Answer: £ (1)

6. Calculate the size of the angle marked x .



Answer: ° (1)

7. Add the smallest and largest numbers from this list.

0.32 0.202 0.322 0.22 0.2 0.302 0.02

Answer: (1)

8. Use the timetable to find the number of minutes the train takes to travel from Aytown to Ceeley.

| | |
|----------------|------|
| Aytown | 1523 |
| Beeford | 1554 |
| Ceeley | 1621 |

Answer: minutes (1)

9. Multiply forty-seven by ninety-nine.

Answer: (1)

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10. I think of a number and add three.

When I multiply the result by five, I get forty-five.

What is the number I thought of?

Answer: (1)