

ISEB Assessments

Year 8 Mental Arithmetic Test 1

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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. Add together thirty-two, fifty-six and thirteen.

Answer: (1)

2. Find the cost of four kilograms of apples at one pound ten pence per kilogram.

Answer: £ (1)

3. A fence is one point two metres high.

Write this height in centimetres.

Answer: cm (1)

4. Hamish invests six thousand pounds at six per cent interest per annum.

How much interest will his money earn in one full year?

Answer: £ (1)

5. Sandra walks at five kilometres per hour for forty-eight minutes.

How far does she walk?

Answer: km (1)

6. Two angles of a triangle are one hundred and seven degrees and thirty-one degrees.

What is the size of the third angle?

Answer: ° (1)

7. Alfredo's Ices price list is shown.

Alfredo's Ices	
Woppa	£1.20
Frozzy	90p

Max buys three Woppas and two Frozzys.

How much does he spend altogether?

Answer: £ (1)

8. Jessie chooses at random one of the whole numbers from ten to twenty inclusive.

What is the probability that the number is even?

Answer: (1)

9. When Alex buys two yoghurts for forty-eight pence each, he gets an extra one free.

What is the mean price of a yoghurt?

Answer: pence (1)

10. Donald is fifty-nine years old.

Estimate the number of days in his life so far.

Answer: days (1)