Year 8 Assessment
Rounding and Estimating

achildsguideto

Name: _____

1 Round 3491 to the nearest 10.

2 Round 78.982 to the nearest tenth.

3 Round 2772 g to the nearest kg.

4 Round 9891 m to the nearest km.

5 Round 56.241 to one significant figure.

6 Estimate the value of the following:

$$\frac{34.592 \times 8.9 \times 493.938}{4.79 \times 31.2 \times 342.985}$$

1 mark

1 mark

1 mark

4 marks

7 Round 0.00513 to one significant figure.

1 mark

1 mark

8 To complete a job, a plumber had to buy a radiator for £87.45 and piping that totalled £38.20. The job would take him 3 hours and he charged for his time at a rate of £20.58 per hour.

Estimate how much the plumber would charge his customer to fit a radiator.

4 marks

9 A field is 94 m long and 62 m wide. **Estimate** the area of the field.

4 marks

Is your estimate more or less than the real area of the field? How do you know?

_____

_____

1 mark

10 Estimate a value for the square root of 75.

2 marks