GCSE Maths Decimals, Rounding and Estimation (Foundation): check-up and exam-style questions: worksheet

GCSE Maths - Decimals, Rounding and Estimation - Foundation - Test yourself

Name: _____ Date: _____ Score: _____

22 questions. Write your answers in the spaces. Answers and step-by-step help are free at **websink.site/gcse/maths/ch04-decimals-rounding-estimation/foundation/check-up-and-exam-style-questions/**

Exercise 4Z Check-up (non-calculator) Non-calculator

1 Write these numbers in order, smallest first: 0.5, 0.45, 0.405, 0.054

Answer:

2 Work out 4.7 + 12.85.

Answer:

3 Work out 10 − 3.64.

Answer:

4 Work out 0.6 × 0.07.

Answer:

5 Work out 7.2 ÷ 0.4.

Answer:

6 Write 0.35 as a fraction in its simplest form.

Answer:

7 Round 4.0753 to 2 decimal places.

Answer:

8 Write 0.04067 correct to 2 significant figures.

Answer:

9 Work out an estimate for 4.9 × 31.2.

Answer:

10 The number x is 2.7 correct to 1 decimal place. Write down the error interval for x.

Answer:

Exercise 4X Exam-style questions Non-calculator

1 Work out 36.5 − 8.74. [2 marks]

Answer:

2 Work out 2.8 × 0.35. [2 marks]

Answer:

3 Work out 15.12 ÷ 0.7. [3 marks]

Answer:

4 Write 0.45 as a fraction in its simplest form. [2 marks]

Answer:

5 Write these numbers in order, starting with the smallest. $\frac{7}{8}$, 0.65, $\frac{3}{5}$, 0.7 [3 marks]

Answer:

6 (a) Write 12.0672 correct to 2 decimal places. (b) Write 0.00493 correct to 2 significant figures. [2 marks]

(a) 12.0672 to 2 decimal places

Answer:

(b) 0.00493 to 2 significant figures

Answer:

7 Work out an estimate for $\frac{4.87 \times 31.2}{0.52}$. You must show your working. [3 marks]

Answer:

8 Gina uses her calculator and says that 4.8 × 31 = 1488. Without working out the exact answer, show that Gina is wrong. [2 marks]

Answer:

9 Pens cost £1.35 each. Priya buys 12 pens and pays with a £20 note. How much change does she get?

Answer: [3 marks]

10 The length of a path is 8.5 m, correct to 1 decimal place. Write down the error interval for the length.

Answer: [2 marks]

11 A bag of sugar is labelled 1.5 kg, correct to 1 decimal place. (a) Write down the lower bound and the upper bound of the mass. (b) Could the mass of the sugar be 1.56 kg? Give a reason. [3 marks]

(a) lower bound and upper bound

Answer:

(b) 1.56 kg

Answer:

12 A number is 6.7 when truncated to 1 decimal place. Write down the error interval for the number. [2 marks]

Answer:

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