FEEDBACK

Topic: Rounding

ACCESS MATHS

ACTION

RESPONSE

Fluency

Round to the specified accuracy

1) 2.526 (1dp)
2) 0.8579 (2dp)
3) 97.9904 (3dp)
4) 0.29805 (2dp)
5) 252 (1sf)

6) 8499 (1sf)
7) 10905 (2sf)
8) 2.526 (1sf)
9) 0.29849 (3sf)
10) 90.5901 (3sf)

Calculate and round to the specified accuracy

11) $3 \times 9.86 + 4.95$ (2sf)

12) $\dfrac{3.38 \times 4.2}{12.49}$ (3sf)

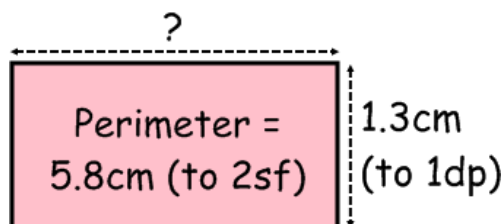13) $\dfrac{5.38^3 - 75.87}{12.49 \times 0.651}$ (1sf)

Reasoning

For a rock concert, the arena manager reports that there were 48765 drinks, 18706 programmes, and 6094 T-shirts sold but all numbers in her report must be rounded to 2 significant figures first. What numbers does she report?

In the same report she states that there were 32,000 people in the audience, of which 3,000 were under 18. What could the minimum and maximum numbers have been?

Problem Solving

The perimeter of the rectangle has been rounded to 2sf and the width to 1dp.
Work out the minimum value that the length could be.
Give your answer to 3 dp.

?

Perimeter =
5.8cm (to 2sf)

1.3cm
(to 1dp)

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Calculate and round to the specified accuracy

11) $3 \times 9.86 + 4.95$ (2sf)

12) $\underline{3.38 \times 4.2}$ (3sf)
$\quad\quad 12.49$

13) $\underline{5.38^3 - 75.87}$ (1sf)
$\quad\quad 12.49 \times 0.651$

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