Topic: Rounding Decimal Places

ACCESS MATHS

FEEDBACK

ACTION

RESPONSE

Fluency

Round to the specified accuracy:

1) 31 (nearest 10)
2) 849 (nearest 100)
3) 7812 (nearest 1000)
4) 0.2 (nearest whole no.)
5) 9.56 (nearest whole no.)
6) 7.46 (1 d.p)
7) 2.012 (1 d.p)
8) 5.336 (2 d.p)
9) 4509.312 (2 d.p)
10) 63.996 (2 d.p)

Reasoning

Jacob compiles a Sudoku puzzle. He asks 6 people to solve it. He times them to the nearest hundredth of a minute.

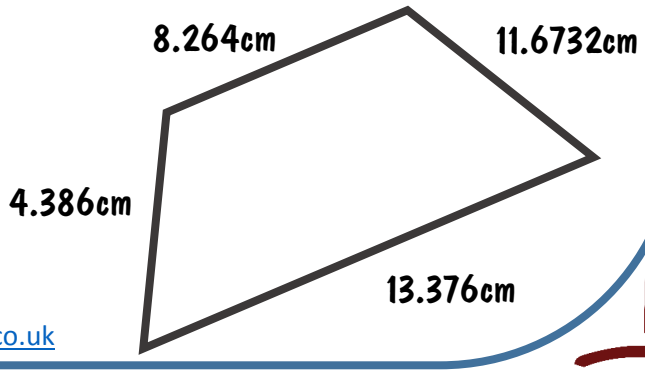
Their times are 15.62, 18.75, 21.32, 17.35, 22.15, 16.97

Jacob works out the mean time. He says, 'The answer of 18.693333 minutes is the time it should take to solve this puzzle. Explain why this is not a sensible answer and give what would be a sensible answer.

Problem Solving

The diagram shows a quadrilateral. Mandy wants to see if there is any difference in the perimeter of the quadrilateral calculated using the lengths of sides that are rounded in the following ways:

a) The nearest whole number
b) 1 decimal place
c) 2 decimal places
Show Mandy's results.



R A G

Topic: Rounding Decimal Places

ACCESS MATHS

FEEDBACK

ACTION

RESPONSE

Fluency

Round to the specified accuracy:

6) 31 (nearest 10)
7) 849 (nearest 100)
8) 7812 (nearest 1000)
9) 0.2 (nearest whole no.)
10) 9.56 (nearest whole no.)

6) 7.46 (1 d.p)
7) 2.012 (1 d.p)
8) 5.336 (2 d.p)
9) 4509.312 (2 d.p)
10) 63.996 (2 d.p)

Reasoning

Jacob compiles a Sudoku puzzle. He asks 6 people to solve it. He times them to the nearest hundredth of a minute.

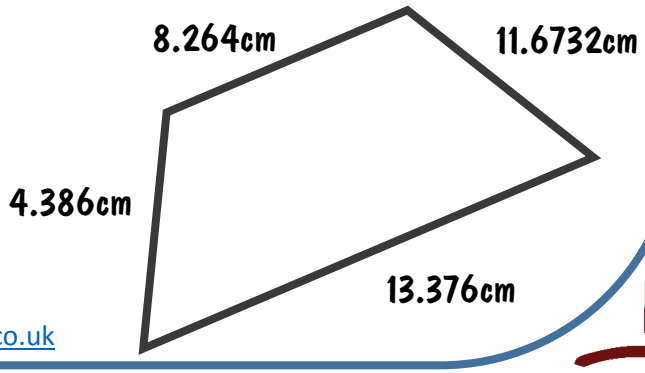
Their times are 15.62, 18.75, 21.32, 17.35, 22.15, 16.97

Jacob works out the mean time. He says, 'The answer of 18.693333 minutes is the time it should take to solve this puzzle. Explain why this is not a sensible answer and give what would be a sensible answer.

Problem Solving

The diagram shows a quadrilateral. Mandy wants to see if there is any difference in the perimeter of the quadrilateral calculated using the lengths of sides that are rounded in the following ways:

a) The nearest whole number
b) 1 decimal place
c) 2 decimal places
Show Mandy's results.



R A G