New Maths GCSE: N16 - Upper and Lower Bounds

Name:..   Date:.......................................

15

A number has been rounded to the nearest whole number.

What is the lower bound?

A) 14   B) 14.4

C) 14.5   D) 14.9

Correct Answer: A B C D

Explanation:

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1000

A number has been rounded to the nearest hundred.

What is the upper bound?

A) 1050   B) 1500

C) 1005   D) 1000.5

Correct Answer: A B C D

Explanation:

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800

A number has been rounded to the nearest ten.

What is the upper bound?

A) 850   B) 800.5

C) 810   D) 805

Correct Answer: A B C D

Explanation:

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300

A number has been rounded to the nearest whole number.

What is the lower bound?

A) 250   B) 299

C) 299.99999...   D) 299.5

Correct Answer: A B C D

Explanation:

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2000

A number has been rounded to 3 significant figures

What is the lower bound?

A) 1995   B) 1950

C) 1500   D) 1999.5

Correct Answer: A B C D

Explanation:

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45

A number has been rounded to the nearest five.

What is the upper bound?

A) 50   B) 47.5

C) 45.5   D) 55

Correct Answer: A B C D

Explanation:

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45.32

A number has been rounded to 2 decimal places

What is the upper bound?

A) 45.325   B) 45.33

C) 45.35   D) 45.335

Correct Answer: A B C D

Explanation:

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1000

A number has been rounded to the nearest five.

What is the lower bound?

A) 997.5   B) 999.5

C) 950   D) 995

Correct Answer: A B C D

Explanation:

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34.5

A number has been rounded to 3 significant figures

What is the lower bound?

A) 33.5   B) 34

C) 34.45   D) 34.25

Correct Answer: A B C D

Explanation:

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10,000

A number has been rounded to 3 significant figures

What is the upper bound?

A) 10,000.005   B) 10,005

C) 10,500   D) 10,050

Correct Answer: A B C D

Explanation:

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