

Rounding and bounds

Foundation worksheet

- 1) Round 37 to the nearest 10.

- 2) Round 32 to the nearest 10.

- 3) Round 35 to the nearest 10.

- 4) Round 37 to the nearest 10.

- 5) Round 524 to the nearest 10.

- 6) Round 524 to the nearest 100.

- 7) Round 7640 to the nearest 1000.

- 8) Round 7640 to the nearest 100.

- 9) Round 493.29 to the nearest 100.

- 10) Round 493.29 to the nearest 10.

Rounding and bounds

Foundation worksheet

- 11) Round 493.29 to the nearest 1000.
- 12) Round 493.29 the nearest whole number.
- 13) Round 493.29 to one decimal place.
- 14) Truncate 493.29 to one decimal place.
- 15) Round 8.501 to the nearest whole number.
- 16) Round 30.781 to the nearest tenth.
- 17) Round 30.781 to two decimal places.
- 18) Round 114.0025 to three decimal places.
- 19) Round 87.299 to the nearest hundredth.
- 20) Round 87.299 to one decimal place.

Rounding and bounds

Foundation worksheet

- 21) Round 205,778 to one significant figure.
- 22) Round 205,778 to two significant figures.
- 23) Round 205,778 to three significant figures.
- 24) Round 4319 to one significant figure.
- 25) Round 48.173 to one significant figure.
- 26) Round 48.173 to two significant figures.
- 27) Round 48.173 to three significant figures.
- 28) Round 72.398 to the nearest whole number.
- 29) Round 72.398 to two decimal places.
- 30) x rounded to the nearest ten is 70. Find the lower bound for x .

Rounding and bounds

Foundation worksheet

- 31) y rounded to the nearest hundred is 3400. Find the lower bound for y .
- 32) y rounded to the nearest hundred is 3400. Find the upper bound for y .
- 33) p is 17,000 to the nearest 1000. Write the error interval for p .
- 34) m rounded to the nearest tenth is 62.4. Write the error interval for m .
- 35) In fact, m rounded to the nearest hundredth is 62.38. Write the error interval for m given this information.
- 36) In fact, m rounded to three decimal places is 62.379. Write the error interval for m given this information.
- 37) r truncated to one decimal place is 38.7. Write the error interval for r .
- 38) In fact, r truncated to two decimal places is 38.71. Write the error interval for r .
- 39) u rounded to one significant figure is 700. Write the error interval for u .

Rounding and bounds

Foundation worksheet

- 1) Round 37 to the nearest 10.

40

- 2) Round 32 to the nearest 10.

30

- 3) Round 35 to the nearest 10.

40

- 4) Round 37 to the nearest 10.

40

- 5) Round 524 to the nearest 10.

520

- 6) Round 524 to the nearest 100.

500

- 7) Round 7640 to the nearest 1000.

8000

- 8) Round 7640 to the nearest 100.

7600

- 9) Round 493.29 to the nearest 100.

500

- 10) Round 493.29 to the nearest 10.

490

Rounding and bounds

Foundation worksheet

11) Round 493.29 to the nearest 1000.

0

12) Round 493.29 to the nearest whole number.

493

13) Round 493.29 to one decimal place.

493.3

14) Truncate 493.29 to one decimal place.

493.2

15) Round 8.501 to the nearest whole number.

9

16) Round 30.781 to the nearest tenth.

30.8

17) Round 30.781 to two decimal places.

30.78

18) Round 114.0025 to three decimal places.

114.003

19) Round 87.299 to the nearest hundredth.

87.30

20) Round 87.299 to one decimal place.

87.3

Rounding and bounds

Foundation worksheet

21) Round 205,778 to one significant figure.

200,000

22) Round 205,778 to two significant figures.

210,000

23) Round 205,778 to three significant figures.

206,000

24) Round 4319 to one significant figure.

4000

25) Round 48.173 to one significant figure.

50

26) Round 48.173 to two significant figures.

48

27) Round 48.173 to three significant figures.

48.2

28) Round 72.398 to the nearest whole number.

72

29) Round 72.398 to two decimal places.

72.40

30) x rounded to the nearest ten is 70. Find the lower bound for x .

65

Rounding and bounds

Foundation worksheet

- 31) y rounded to the nearest hundred is 3400. Find the lower bound for y .

$$3350$$

- 32) y rounded to the nearest hundred is 3400. Find the upper bound for y .

$$3450$$

- 33) p is 17,000 to the nearest 1000. Write the error interval for p .

$$16500 \leq p < 17500$$

- 34) m rounded to the nearest tenth is 62.4. Write the error interval for m .

$$62.35 \leq m < 62.45$$

- 35) In fact, m rounded to the nearest hundredth is 62.38. Write the error interval for m given this information.

$$62.375 \leq m < 62.385$$

- 36) In fact, m rounded to three decimal places is 62.379. Write the error interval for m given this information.

$$62.3785 \leq m < 62.3795$$

- 37) r truncated to one decimal place is 38.7. Write the error interval for r .

$$38.7 \leq m < 38.8$$

- 38) In fact, r truncated to two decimal places is 38.71. Write the error interval for r .

$$38.71 \leq m < 38.72$$

- 39) u rounded to one significant figure is 700. Write the error interval for u .

$$650 \leq m < 750$$