Interleaved: decimal places and significant figures

1

Round 0.004072 to 2 significant figures.

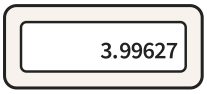
Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

the 4 is the first significant figure: 0.0040/72, the 7 rounds up

Answer 0.0041

2

Round the number on this calculator display to 2 decimal places.



Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

3

A town has a population of 72,450.
Round this to the nearest hundred.

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

4

Round 48,620 to 2 significant figures.

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

5

By road, London is 312.4 km from Leeds.
Write this distance to the nearest 10 km.

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

6

Three friends share a bill of £50 equally.
How much does each one pay, to the nearest penny?

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

7

Estimate 6.82×38.9 by rounding each number to 1 significant figure.

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

8

A plank of wood is 2.4836 m long.
Write its length to the nearest centimetre.

Which method? Decimal places | Significant figures | Nearest 10, 100 or 1000

Answer

Interleaved: decimal places and significant figures *further practice*

9

Round 7.0649 to 2 decimal places.

Answer

10

Round 0.0599 to 2 significant figures.

Answer

11

A bag of flour has a mass of 1.4673 kg.
Write its mass to the nearest gram.

Answer

12

A stadium holds 60,483 people.
Write this to the nearest thousand.

Answer

13

The population of a country is 6,849,512.
Write this to 3 significant figures.

Answer

14

A charity raised £9,960. Write this to the nearest £100.

Answer

15

Estimate $41.7 \times 5.92 \div 0.48$ by rounding each number to 1 significant figure.

Answer

16

Leah says that 5.997 rounded to 2 decimal places is 6. Explain her mistake and give the correct answer.

Answer