

Luna's Space Adventure

Name _____

Grade 5 • Decimal operations • 5.NBT.B.7

Date _____



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Line up the points Add or subtract like whole numbers, then drop the point straight down.

1

$$\begin{array}{r} 54.04 \\ + 90.31 \\ \hline \end{array}$$

2

$$\begin{array}{r} 1.41 \\ - 1.08 \\ \hline \end{array}$$

3

$$\begin{array}{r} 87.89 \\ + 83.95 \\ \hline \end{array}$$

4

$$\begin{array}{r} 26.90 \\ - 23.01 \\ \hline \end{array}$$

Multiply Multiply, then put the point back.

1

$$\begin{array}{r} 1.7 \\ \times 3 \\ \hline \end{array}$$

2

$$\begin{array}{r} 4.3 \\ \times 4 \\ \hline \end{array}$$

3

$$\begin{array}{r} 5.2 \\ \times 7 \\ \hline \end{array}$$

4

$$\begin{array}{r} 2.9 \\ \times 6 \\ \hline \end{array}$$

Share it out Divide the decimal like a whole number.

$$23.1 \div 7 = \boxed{}$$

$$62.1 \div 9 = \boxed{}$$

$$49.5 \div 5 = \boxed{}$$

$$51.3 \div 9 = \boxed{}$$

$$33.6 \div 8 = \boxed{}$$

$$24.6 \div 3 = \boxed{}$$

Story time

- ① Nova spends \$1.64 on paint and \$2.08 on brushes. How much is that altogether?

.....

_____ dollars

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ANSWER KEY



Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

Line up the points Add or subtract like whole numbers, then drop the point straight down.

1

$$\begin{array}{r} \boxed{1} \boxed{4} \boxed{4} \boxed{4} \\ 54.04 \\ + 90.31 \\ \hline 144.35 \end{array}$$

2

$$\begin{array}{r} 1.41 \\ - 1.08 \\ \hline 0.33 \end{array}$$

3

$$\begin{array}{r} \boxed{1} \boxed{1} \boxed{1} \boxed{1} \\ 87.89 \\ + 83.95 \\ \hline 171.84 \end{array}$$

4

$$\begin{array}{r} 26.90 \\ - 23.01 \\ \hline 3.89 \end{array}$$

Multiply Multiply, then put the point back.

1

$$\begin{array}{r} 1.7 \\ \times 3 \\ \hline 5.1 \end{array}$$

2

$$\begin{array}{r} 4.3 \\ \times 4 \\ \hline 17.2 \end{array}$$

3

$$\begin{array}{r} 5.2 \\ \times 7 \\ \hline 36.4 \end{array}$$

4

$$\begin{array}{r} 2.9 \\ \times 6 \\ \hline 17.4 \end{array}$$

Share it out Divide the decimal like a whole number.

$$23.1 \div 7 = \boxed{3.3}$$

$$62.1 \div 9 = \boxed{6.9}$$

$$49.5 \div 5 = \boxed{9.9}$$

$$51.3 \div 9 = \boxed{5.7}$$

$$33.6 \div 8 = \boxed{4.2}$$

$$24.6 \div 3 = \boxed{8.2}$$

Story time

- ① Nova spends \$1.64 on paint and \$2.08 on brushes. How much is that altogether?

$$1.64 + 2.08 = 3.72$$

3.72 dollars

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GUIDE

① What this sheet practises

Adding, subtracting, multiplying and dividing decimals to hundredths, and solving money stories with them.

② A problem from the sheet, worked out

Line up the points Add or subtract like whole numbers, then drop the point straight down.

1	$\begin{array}{r} \boxed{1} \boxed{4} \boxed{0} \boxed{4} \\ 54.04 \\ + 90.31 \\ \hline 144.35 \end{array}$	2	$\begin{array}{r} 1.41 \\ - 1.08 \\ \hline 0.33 \end{array}$	3	$\begin{array}{r} \boxed{1} \boxed{7} \boxed{1} \boxed{8} \boxed{4} \\ 87.89 \\ + 83.95 \\ \hline 171.84 \end{array}$	4	$\begin{array}{r} 26.90 \\ - 23.01 \\ \hline 3.89 \end{array}$
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How: To add or subtract, line up the points and work as with whole numbers. To multiply or divide, work as with whole numbers, then place the point so the answer fits an estimate.

③ Words to know

decimal point the dot between the ones and tenths

tenths the first place after the point

hundredths the second place after the point

estimate a close guess to check the answer

④ Watch for

- Lining up the last digits instead of the points, as in $2.5 + 1.25$.
- Putting the point in the wrong spot: 4.3×2 is 8.6, not 86.
- Dropping the point when dividing: $7.8 \div 3$ is 2.6, not 26.

⑤ Where it fits

BEFORE

4.NF.C.6

Write tenths and hundredths as decimals.

THIS SHEET

5.NBT.B.7

Add, subtract, multiply and divide decimals to hundredths.

⑥ Helping at home

Add up a few prices from a receipt or menu on paper, lining up the points. Then check your total against the receipt.