

Money Word Problems

Add and subtract money. Line up the decimal points.

Solve. Set out each one in columns, then write the answer.

Example

Charlotte orders a book for \$12.95 and a poster for \$4.85 from the book club. What does she spend?

$$\begin{array}{r} \$12.95 \\ + \$4.85 \\ \hline \$17.80 \\ \text{1 1} \end{array}$$

\$17.80

1. Oliver buys a footy for \$27.45. He pays with a \$50 note. How much change does he get?

2. A skateboard costs \$54.25. Mia has saved \$36.80. How much more does she need?

3. At the canteen, Noah buys a sushi roll for \$4.20 and a juice for 95c. What does he spend?

4. Lucas has \$45.60 in his money box. He spends \$28.75 on a hat. How much is left?

5. A swimming lesson costs \$15.60. A surf lesson costs \$9.85 more. How much is a surf lesson?

Multiply money: round and adjust, or use short multiplication.

	Buy	Round up	Take off	Cost
Example	5 toy scooters at \$96 each	$5 \times \$100 = \underline{\$500}$	$5 \times \$4 = \underline{\$20}$	<u>\$480</u>
1.	7 footy tickets at \$29 each	$7 \times \$30 = \underline{\hspace{2cm}}$	$7 \times \$1 = \underline{\hspace{2cm}}$	<u> </u>
2.	4 bikes at \$198 each	$4 \times \$200 = \underline{\hspace{2cm}}$	$4 \times \$2 = \underline{\hspace{2cm}}$	<u> </u>

Example

4 bus fares at
\$3.45 each

\$	3	.	4	5
x				4
\$	1	3	.	8
			0	
	1	1	2	

3.

3 ice blocks at
\$2.65 each

\$	2	.	6	5
x				3

4.

6 mandarins at
85c each

\$	0	.	8	5
x				6

5.

5 swim lessons at
\$14.50 each

\$	1	4	.	5	0
x					5

Example A footy costs \$18.95. Boots cost three times as much. How much are the boots? $\\$18.95 \times 3 = \\$56.85$ <u>\$56.85</u>	6. A child's train ticket costs \$2.35. An adult ticket costs twice as much. How much is it? <u> </u>	7. Jack has saved \$12.60. Chloe has saved four times as much. How much has Chloe saved? <u> </u>
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Money Word Problems

Divide money: share equally and find the price of one.

How much does each get? Use short division.

Example

3 friends share
\$8.40 equally

$$\begin{array}{r} \$2.80 \\ 3 \overline{) \$8.40} \end{array}$$

1.

5 children share
\$9.75 equally

$$\begin{array}{r} \\ 5 \overline{) \$9.75} \end{array}$$

2.

4 cousins share
\$5.40 equally

$$\begin{array}{r} \\ 4 \overline{) \$5.40} \end{array}$$

3.

6 friends share
\$5.10 equally

$$\begin{array}{r} \\ 6 \overline{) \$5.10} \end{array}$$

Solve. Show your working.

Example

A pack of 6
muesli bars costs \$4.80.
How much does one
muesli bar cost?

$$\$4.80 \div 6 = \$0.80$$

80c

or \$0.80

4. Four friends share
the cost of a \$25.80
pizza order equally. How
much does each friend
pay?

5. A box of 8 icy poles
costs \$7.60. How much
does one icy pole cost?

6. A scooter costs
\$84.60. That is three
times the cost of a
helmet. How much is the
helmet?

7. Kirra spends a
quarter of her \$18.60
pocket money on a book.
How much does the book
cost?

8. Year 5 raises
\$147.50 at a car wash
and shares it equally
between 5 charities. How
much does each charity
get?

Money Word Problems

Round to estimate. Then decide: is the answer reasonable?

Example Isla buys goggles for \$14.95 and a swim cap for \$8.10. She says she spent \$23.05.

Round to the nearest dollar.

\$14.95 is about \$15

\$8.10 is about \$8

So it should be about \$23

Isla's answer is

reasonable / not reasonable

Exact answer: \$23.05

1. Noah pays for a \$6.95 sushi box with a \$20 note. He says his change is \$3.05.

Round to the nearest dollar.

\$6.95 is about _____

So it should be about _____

Noah's answer is

reasonable / not reasonable

Exact answer: _____

2. Aarav buys 6 books at the book fair for \$9.95 each. He says they cost \$5.97 in all.

Round to the nearest dollar.

\$9.95 is about _____

So it should be about _____

Aarav's answer is

reasonable / not reasonable

Exact answer: _____

3. Chloe's family buys a scooter for \$78.50 and a helmet for \$31.95. Chloe says they spent \$110.45.

Round to the nearest \$10.

\$78.50 is about _____

\$31.95 is about _____

So it should be about _____

Chloe's answer is

reasonable / not reasonable

Exact answer: _____

Money Word Problems

Plan a class sausage sizzle: costs, takings and profit.

Year 5 Sausage Sizzle

Shopping list

Sausages, pack of 20 .. **\$14.50**

Loaf of bread **\$3.20**

Onions, 1 kg bag **\$3.95**

Tomato sauce **\$4.50**

We sell

Sausage sizzle .. **\$3.50**

Bottle of water **\$2**

Profit =
money taken – costs

Our goal: \$200



Year 5 runs a sausage sizzle to raise money. Show your working.

Example How much do the onions and the tomato sauce cost altogether?

$$\$3.95 + \$4.50 = \$8.45$$

 \$8.45

1. What do 3 packs of sausages and 3 loaves of bread cost?

2. They sell **60** sausage sizzles. How much money do they take?

3. They take **\$210**. Their shopping costs **\$61.55**. What is their profit?

4. How many sausage sizzles must they sell to take enough for their goal?

_____ sausage sizzles

5. Water costs **\$9.60** for 24 bottles. What is the profit on each bottle?

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Charlotte orders a book for \$12.95 and a poster for \$4.85 from the book club. What does she spend?

$$\begin{array}{r} \$12.95 \\ + \$4.85 \\ \hline \$17.80 \\ \text{1 1} \end{array}$$

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1. Oliver buys a footy for \$27.45. He pays with a \$50 note. How much change does he get?

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Multiply money: round and adjust, or use short multiplication.

Round the price up, multiply, then take off the extra.

	Buy	Round up	Take off	Cost
Example	5 toy scooters at \$96 each	$5 \times \$100 = \underline{\$500}$	$5 \times \$4 = \underline{\$20}$	<u>\$480</u>
1.	7 footy tickets at \$29 each	$7 \times \$30 = \underline{\hspace{2cm}}$	$7 \times \$1 = \underline{\hspace{2cm}}$	<u> </u>
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Find the cost. Use short multiplication.

Example 4 bus fares at \$3.45 each $\begin{array}{r} \$ \quad 3.45 \\ \times \quad \quad 4 \\ \hline \$ 13.80 \\ \hline \end{array}$ 1 1 2	3. 3 ice blocks at \$2.65 each $\begin{array}{r} \$ \quad 2.65 \\ \times \quad \quad 3 \\ \hline \end{array}$	4. 6 mandarins at 85c each $\begin{array}{r} \$ \quad 0.85 \\ \times \quad \quad 6 \\ \hline \end{array}$	5. 5 swim lessons at \$14.50 each $\begin{array}{r} \$ 14.50 \\ \times \quad \quad 5 \\ \hline \end{array}$
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Solve. Show your working.

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\$14.95 is about \$15

\$8.10 is about \$8

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Isla's answer is

reasonable / not reasonable

Exact answer: \$23.05

1. Noah pays for a \$6.95 sushi box with a \$20 note. He says his change is \$3.05.

Round to the nearest dollar.

\$6.95 is about _____

So it should be about _____

Noah's answer is

reasonable / not reasonable

Exact answer: _____

2. Aarav buys 6 books at the book fair for \$9.95 each. He says they cost \$5.97 in all.

Round to the nearest dollar.

\$9.95 is about _____

So it should be about _____

Aarav's answer is

reasonable / not reasonable

Exact answer: _____

3. Chloe's family buys a scooter for \$78.50 and a helmet for \$31.95. Chloe says they spent \$110.45.

Round to the nearest \$10.

\$78.50 is about _____

\$31.95 is about _____

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Chloe's answer is

reasonable / not reasonable

Exact answer: _____

Money Word Problems

Plan a class sausage sizzle: costs, takings and profit.

Year 5 Sausage Sizzle

Shopping list

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Bottle of water **\$2**

Profit =
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Our goal: \$200



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Example How much do the onions and the tomato sauce cost altogether?

$$\$3.95 + \$4.50 = \$8.45$$

 \$8.45

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$$\begin{array}{r} \$12.95 \\ + \$4.85 \\ \hline \$17.80 \\ \text{1 1} \end{array}$$

\$17.80

1. Oliver buys a footy for \$27.45. He pays with a \$50 note. How much change does he get?

$$\begin{array}{r} \overset{4}{\$50}.\overset{9}{0}\overset{9}{0} \\ - \$27.45 \\ \hline \$22.55 \end{array}$$

\$22.55

2. A skateboard costs \$54.25. Mia has saved \$36.80. How much more does she need?

$$\begin{array}{r} \overset{4}{\$54}.\overset{13}{25} \\ - \$36.80 \\ \hline \$17.45 \end{array}$$

\$17.45

3. At the canteen, Noah buys a sushi roll for \$4.20 and a juice for 95c. What does he spend?

$$\begin{array}{r} \$4.20 \\ + \$0.95 \\ \hline \$5.15 \\ \text{1} \end{array}$$

\$5.15

4. Lucas has \$45.60 in his money box. He spends \$28.75 on a hat. How much is left?

$$\begin{array}{r} \overset{3}{\$45}.\overset{14}{6}\overset{15}{0} \\ - \$28.75 \\ \hline \$16.85 \end{array}$$

\$16.85

5. A swimming lesson costs \$15.60. A surf lesson costs \$9.85 more. How much is a surf lesson?

$$\begin{array}{r} \$15.60 \\ + \$9.85 \\ \hline \$25.45 \\ \text{1 1} \end{array}$$

\$25.45

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Example	5 toy scooters at \$96 each	$5 \times \$100 = \underline{\$500}$	$5 \times \$4 = \underline{\$20}$	<u>\$480</u>
1.	7 footy tickets at \$29 each	$7 \times \$30 = \underline{\$210}$	$7 \times \$1 = \underline{\$7}$	<u>\$203</u>
2.	4 bikes at \$198 each	$4 \times \$200 = \underline{\$800}$	$4 \times \$2 = \underline{\$8}$	<u>\$792</u>

Find the cost. Use short multiplication.

Example 4 bus fares at \$3.45 each $\begin{array}{r} \$ \quad 3.45 \\ \times \quad \quad 4 \\ \hline \$ 13.80 \\ \hline \end{array}$ 1 1 2	3. 3 ice blocks at \$2.65 each $\begin{array}{r} \$ \quad 2.65 \\ \times \quad \quad 3 \\ \hline \$ \quad 7.95 \\ \hline \end{array}$ 1 1	4. 6 mandarins at 85c each $\begin{array}{r} \$ \quad 0.85 \\ \times \quad \quad 6 \\ \hline \$ \quad 5.10 \\ \hline \end{array}$ 5 3	5. 5 swim lessons at \$14.50 each $\begin{array}{r} \$ 14.50 \\ \times \quad \quad 5 \\ \hline \$ 72.50 \\ \hline \end{array}$ 2 2
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Solve. Show your working.

Example A footy costs \$18.95. Boots cost three times as much. How much are the boots? $\$18.95 \times 3 = \$56.85$ <u>\$56.85</u>	6. A child's train ticket costs \$2.35. An adult ticket costs twice as much. How much is it? $\$2.35 \times 2 = \$4.70$ <u>\$4.70</u>	7. Jack has saved \$12.60. Chloe has saved four times as much. How much has Chloe saved? $\$12.60 \times 4 = \$50.40$ <u>\$50.40</u>
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Divide money: share equally and find the price of one.

How much does each get? Use short division.

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\$8.40 equally

$$\begin{array}{r} \$2.80 \\ 3 \overline{) \$8.40} \end{array}$$

1.

5 children share
\$9.75 equally

$$\begin{array}{r} \$1.95 \\ 5 \overline{) \$9.75} \end{array}$$

2.

4 cousins share
\$5.40 equally

$$\begin{array}{r} \$1.35 \\ 4 \overline{) \$5.40} \end{array}$$

3.

6 friends share
\$5.10 equally

$$\begin{array}{r} \$0.85 \\ 6 \overline{) \$5.10} \end{array}$$

Solve. Show your working.

Example

A pack of 6
muesli bars costs \$4.80.
How much does one
muesli bar cost?

$$\$4.80 \div 6 = \$0.80$$

80c

or \$0.80

4. Four friends share
the cost of a \$25.80
pizza order equally. How
much does each friend
pay?

$$\$25.80 \div 4 = \$6.45$$

\$6.45

5. A box of 8 icy poles
costs \$7.60. How much
does one icy pole cost?

$$\$7.60 \div 8 = \$0.95$$

95c

or \$0.95

6. A scooter costs
\$84.60. That is three
times the cost of a
helmet. How much is the
helmet?

$$\$84.60 \div 3 = \$28.20$$

\$28.20

7. Kirra spends a
quarter of her \$18.60
pocket money on a book.
How much does the book
cost?

$$\$18.60 \div 4 = \$4.65$$

\$4.65

8. Year 5 raises
\$147.50 at a car wash
and shares it equally
between 5 charities. How
much does each charity
get?

$$\$147.50 \div 5 = \$29.50$$

\$29.50

Money Word Problems

Round to estimate. Then decide: is the answer reasonable?

Example Isla buys goggles for \$14.95 and a swim cap for \$8.10. She says she spent \$23.05.

Round to the nearest dollar.

\$14.95 is about \$15

\$8.10 is about \$8

So it should be about \$23

Isla's answer is

reasonable / not reasonable

Exact answer: \$23.05

1. Noah pays for a \$6.95 sushi box with a \$20 note. He says his change is \$3.05.

Round to the nearest dollar.

\$6.95 is about \$7

So it should be about \$13

Noah's answer is

reasonable / not reasonable

Exact answer: \$13.05

2. Aarav buys 6 books at the book fair for \$9.95 each. He says they cost \$5.97 in all.

Round to the nearest dollar.

\$9.95 is about \$10

So it should be about \$60

Aarav's answer is

reasonable / not reasonable

Exact answer: \$59.70

3. Chloe's family buys a scooter for \$78.50 and a helmet for \$31.95. Chloe says they spent \$110.45.

Round to the nearest \$10.

\$78.50 is about \$80

\$31.95 is about \$30

So it should be about \$110

Chloe's answer is

reasonable / not reasonable

Exact answer: \$110.45

Money Word Problems

Plan a class sausage sizzle: costs, takings and profit.

Year 5 Sausage Sizzle

Shopping list

Sausages, pack of 20 .. **\$14.50**
 Loaf of bread **\$3.20**
 Onions, 1 kg bag **\$3.95**
 Tomato sauce **\$4.50**

We sell

Sausage sizzle .. **\$3.50**
 Bottle of water **\$2**

Profit =
 money taken – costs

Our goal: \$200



Year 5 runs a sausage sizzle to raise money. Show your working.

Example How much do the onions and the tomato sauce cost altogether?

$$\$3.95 + \$4.50 = \$8.45$$

\$8.45

1. What do 3 packs of sausages and 3 loaves of bread cost?

$$\$14.50 + \$3.20 = \$17.70$$

$$\$17.70 \times 3 = \$53.10$$

\$53.10

2. They sell 60 sausage sizzles. How much money do they take?

$$\$3.50 \times 60 = \$210.00$$

\$210.00

3. They take \$210. Their shopping costs \$61.55. What is their profit?

$$\$210.00 - \$61.55 = \$148.45$$

\$148.45

4. How many sausage sizzles must they sell to take enough for their goal?

$$\$3.50 \times 57 = \$199.50$$

$$\$3.50 \times 58 = \$203.00$$

58 sausage sizzles

5. Water costs \$9.60 for 24 bottles. What is the profit on each bottle?

$$\$9.60 \div 24 = \$0.40$$

$$\$2.00 - \$0.40 = \$1.60$$

\$1.60