

Modern Primary Mathematics (Second Edition)


2C Module 4 Mixed Operations of Addition and Subtraction

8 Word Problems

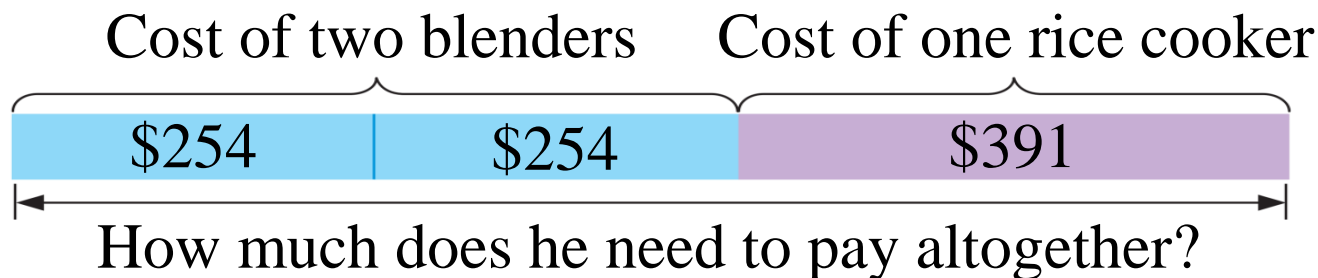
Focus Identifying and Solving Problems

- 1 a The owner of a restaurant buys two blenders and one rice cooker. How much does he need to pay altogether?



 **Analyse and Think**

A blender costs \$254. A rice cooker costs \$391.



Focus Identifying and Solving Problems

- 1 a The owner of a restaurant buys two blenders and one rice cooker. How much does he need to pay altogether?



$$= \boxed{254} + \boxed{254} + \boxed{391}$$

$$= \boxed{899}$$

He needs to pay \$899 altogether.

$$\begin{array}{r}
 254 \\
 + 254 \\
 \hline
 508 \\
 + 391 \\
 \hline
 899
 \end{array}$$

Focus Identifying and Solving Problems

1 b



Toaster
\$179



Juicer
\$431



Mum buys a toaster and a juicer. She pays with a cash coupon \$500. How much does she still need to pay?

Focus Identifying and Solving Problems

- 1 b Mum buys a toaster and a juicer. She pays with a cash coupon \$500. How much does she still need to pay?

Analyse and Think

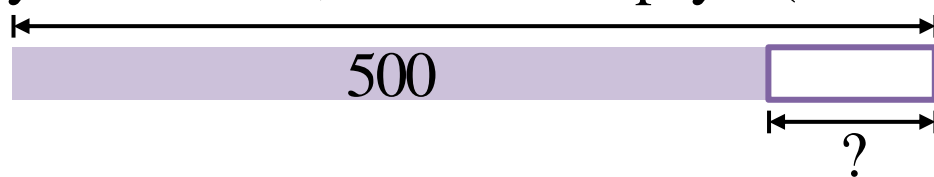
A toaster costs \$179. A juicer costs \$431. Money needed to buy one of each:



$$\text{\$ } \underline{179 + 431}$$

Mum pays with a cash coupon of \$500. She still needs to pay:

To buy one of each, she needs to pay \$ ($\underline{179 + 431}$)



$$\text{\$ } \underline{179 + 431 - 500}$$

Focus Identifying and Solving Problems

- 1 b Mum buys a toaster and a juicer. She pays with a cash coupon \$500. How much does she still need to pay?

$$\begin{aligned}
 & \boxed{179} \oplus \boxed{431} \ominus \boxed{500} \\
 = & \boxed{610} \ominus \boxed{500} \\
 = & \boxed{110}
 \end{aligned}$$

$$\begin{array}{r}
 179 \\
 + 431 \\
 \hline
 610 \\
 - 500 \\
 \hline
 110
 \end{array}$$

She still needs to pay \$110.

Focus

Identifying and Solving Problems

2

Bread
makerCoffee
makerSoy milk
maker

The bread maker costs \$889, and is \$570 more expensive than the coffee maker. The coffee maker is \$311 cheaper than the soy milk maker. How much does the soy milk maker cost?

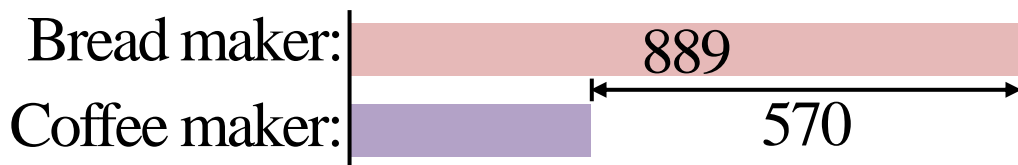
Focus Identifying and Solving Problems

2 The bread maker costs \$889, and is \$570 more expensive than the coffee maker. The coffee maker is \$311 cheaper than the soy milk maker. How much does the soy milk maker cost?



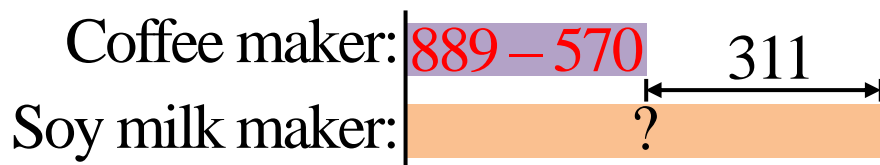
Analyse and Think

The bread maker is more expensive than the coffee maker. The coffee maker cost:



$$\$ \underline{889 - 570}$$

The coffee maker is cheaper than the soy milk maker. The soy milk maker costs:



$$\$ \underline{889 - 570 + 311}$$

Focus Identifying and Solving Problems

2 The bread maker costs \$889, and is \$570 more expensive than the coffee maker. The coffee maker is \$311 cheaper than the soy milk maker. How much does the soy milk maker cost?

$$\begin{aligned}
 & \boxed{889} \ominus \boxed{570} \oplus \boxed{311} \\
 = & \boxed{319} \oplus \boxed{311} \\
 = & \boxed{630}
 \end{aligned}$$

The soy milk maker costs \$630.

$$\begin{array}{r}
 889 \\
 - 570 \\
 \hline
 319 \\
 + 311 \\
 \hline
 630
 \end{array}$$

Focus Identifying and Solving Problems



Activity: Analysing problems

Write the row form for the question below.

- 1 The prices for a lunch buffet are \$388 per adult and \$199 per child. If two adults and one child go to the lunch buffet, how much should they pay?

Expression: 388 + 388 + 199

Focus Identifying and Solving Problems



Activity: Analysing problems

Write the row form for the question below.

- ② There are 123 students in Primary 1 and 135 students in Primary 2. The school hall has 200 seats. If all students in Primary 1 and 2 are going to sit in the hall, how many seats need to be added?

Expression: $123 + 135 - 200$

Focus Identifying and Solving Problems



Activity: Analysing problems

Write the row form for the question below.

- 3 A fruit store has 832 apples and 560 pears. After selling 128 apples, how many more are the apples than the pears?

Expression: $832 - 128 - 560$

Focus Identifying and Solving Problems



Activity: Analysing problems

Write the row form for the question below.

- ④ Louis has \$342. He has \$108 more than Nathan. Nathan has \$238 less than Frankie. How much money does Frankie have?

Expression: $342 - 108 + 238$


Exercise 8

Solve the following problems and show your working.

- 1 Ronald has 45 books. Walter and Kenny each has 39 books. How many books do they have altogether?

$$45 + 39 + 39$$

$$= 123$$

They have 123 books altogether.

$$\begin{array}{r}
 45 \\
 + 39 \\
 \hline
 84 \\
 + 39 \\
 \hline
 123
 \end{array}$$


Exercise 8

Solve the following problems and show your working.

- 2 A Maths Exercise book costs \$68. A storybook costs \$42. Brother has \$100. He wants to buy one Maths Exercise book and one storybook. How much more money does he need?

$$68 + 42 - 100$$

$$= 110 - 100$$

$$= 10$$

He needs \$10 more.

$$\begin{array}{r}
 68 \\
 + 42 \\
 \hline
 110 \\
 - 100 \\
 \hline
 10
 \end{array}$$


 Exercise 8

Solve the following problems and show your working.

- 3 A noodle shop has 568 dumplings. After it sells 115 of them, the remaining dumplings are 203 fewer than pot-stickers. How many pot-stickers does the noodle shop have?

$$568 - 115 + 203$$

$$= 453 + 203$$

$$= 656$$

The noodle shop has 656 pot-stickers.

$$\begin{array}{r}
 568 \\
 - 115 \\
 \hline
 453 \\
 + 203 \\
 \hline
 656
 \end{array}$$


Exercise 8

Solve the following problems and show your working.

- 4 A novel costs \$158, a comic book costs \$39 and an album costs \$68. If the novel has a discount of \$20, how much more expensive is the novel than the comic book?

$$158 - 20 - 39$$

$$= 138 - 39$$

$$= 99$$

The novel is \$99 more expensive
than the comic book.

$$\begin{array}{r} 158 \\ - 20 \\ \hline 138 \\ - 39 \\ \hline 99 \end{array}$$