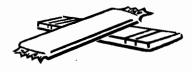
T1

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

it means the dollar amount with no decimal, the perny

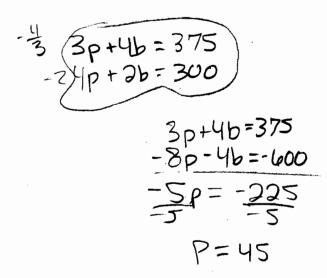
2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=300

_ 2

potato chips	.451	X
potato empo	· · · · · · · · · · · · · · · · · · ·	

Show your work.



$$\frac{-4p - \frac{4}{3}b = -500}{4p + 2b = 300}$$

$$\frac{-60}{3}b = -\frac{200}{3}$$

$$\frac{-6}{3}b = -\frac{200}{3}$$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

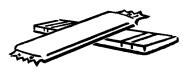
Explain your answer by showing your calculation.

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation



Ralph and Jody go to the shop to buy potato chips and candy bars.





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Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

It is now much he spent, in cents, in candy bars and chips.

2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=300 / 2

potato chips	.50	×	
			_

Show your work.

$$4p+ab=300$$
 $4p+b=50$
 $4p+ab=300$
 $4p+ab=300$
 $4p+ab=300$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.



X

b/c it adds up to \$90

		_
	ſ	4

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

T3

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

375 is the total # of cents Ralph spent on his candybars and potato chips.

2. Write a similar equation, using p and b, for the items Jody bought.

 $\frac{4p + 2b = 300}{p = cost in cents of the potato chips$ b = cost in cents of the candy basis

		potato chips	.45 ¢ ×	_
Show your work. Pc CB		candy bar	.60¢ x	0
Ralph - 3 4 Jody - 4 Z	-3.75, -3.00	45		
76	6.75	2.40		
13/6.75 - 65	.57	cents apiece	315 613.60	
75 13 120 117	120	.45		0
30		.60	\wedge	

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

100

for one of each it would be si. 03 so it would be aver \$1.00 which would mean he would be

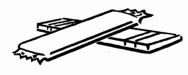
have enough money.

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

T4

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

375	15	He	answer	150	ralphs	equalkn.	Λ
		_			.,		

2. Write a similar equation, using p and b, for the items Jody bought.

potato chips	.75	X,	

candy bar

Show your work.

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

W	ß	because
-	•	



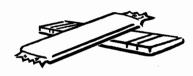
Ift

T5

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75. 30 4 b 3.75

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00. Up+2b=3.00

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean? The following the stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

4p+210-300 x1-2 E8p-48-600

135 + 46-375

-5p--275

16: 60)

2. Write a similar equation, using p and b, for the items Jody bought.

4P+2b=300

potato chips	45	Λ	
candy bar	60	<u>^</u>	(

Show your work.

$$3p+4b=375$$
 $4p+2b=300 \times (2)$
 $-8p-4b=-600$
 $-5p=-225$
 $p=45$
 $3(45)+4b=375$
 $135+4b=375$
 $4b=240$
 $b=60$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

abog of chips+a candy bar = 105		
	/	- 1
60+45 + 100		'

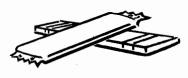
 $M_{\mathbf{o}}$

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

SI

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Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

he spent, on 3 bags of potato chips, and 4 candy bars.

2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=\$3.00

potato chips	45¢	/
- 1 1 .	(00 t	

Show your work.

$$3 \times + 4y = 375$$

$$-(2)4 \times + 2y = 300$$

$$3 \times + 4y = 35$$

$$(3/4) \times + 2 \cdot y = 300$$

$$3 \times + 4y = 375$$

$$3 \times + 4y = 375$$

$$-3 \times + -1.5y = -205$$

$$2.5 \times + -1.5y = -205$$

$$2.5 \times + -1.5y = -205$$

$$3x + 4y = 37.5$$

$$-8x + -4y = -600$$

$$-5x = -22.5$$

$$x = -45$$

Explain your answer by showing your calculation.

Enough because 459+,60 t is \$1.05

and there may also be tax.

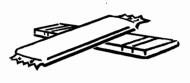
4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?



This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

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Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

The total cost of his products, x by 100 - ho fractions

2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=300 2

potato chips	\$45		
candy bar	d 57	X	_ (

Show your work.

$$3 p + 4p = 375$$

$$-(2)4p + 2b = 300(2)$$

$$(3p + 4b = 375)$$

$$-8p - 4b = -600$$

$$-5p = -225$$

$$p = 45$$
(1)

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

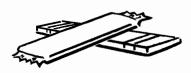
Explain your answer by showing your calculation.

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

S3

Ralph and Jody go to the shop to buy potato chips and candy bars.





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Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

It's the total cost,

 \wedge

2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=300

7

potato chips 45 cents

candy bar 60 cents

Show your work.

$$3p+4b=375$$
 $(4p+2b=300)z$
 $-3p+4b=375+5$
 $6p+4b=600$
 $5p=225$
 $p=45$
 $3(45)+4b=375$
 $4b=375$
 $4b=240$
 $b=60$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

No

100 4 60+45

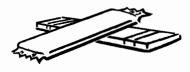
100 4 105

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

S4

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Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

375 Mean 3.75, you girst to Ki to docimel because It's easier

2. Write a similar equation, using p and b, for the items Jody bought.

4p-2b=300 / 2

potato chips 0.45 candy bar

Show your work.

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

This problem gives you the chance to:

form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

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Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

5 is the amount of money that realph

2. Write a similar equation, using p and b, for the items Jody bought.

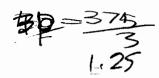
y=3p+46-375

y=3p44b-375 X

potato chips	1.25	×	
candy bar	93	X	

0

Show your work.



4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

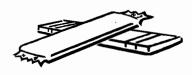
Beause	potato	chips	cos 1.25 therefore sk doesn't
			to buy that but ste can 1
buy a			

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

S6

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

he spent on both potato chips and cardy bars combine.

2. Write a similar equation, using p and b, for the items Jody bought.

p4+62=300 / 2

potato chips	.75		
candy har	25.	×	\mathcal{C}

Show your work.

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

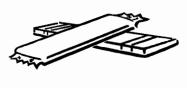
Explain your answer by showing your calculation.

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

S7

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

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Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

the cool of all the

2. Write a similar equation, using p and b, for the items Jody bought.

 $4p + \partial b = 200$

potato chips \$.90 \(\sigma\) |ft

Show your work.

$$3(5) + 4b = 375$$

$$15 + 4b = 375$$

$$-15 - 15$$

$$\frac{4b}{4} = \frac{340}{4}$$

$$69$$
 $4p + 9b = 200$ $3p + 4b = 375$

$$3p + 4b = 375$$
 $-8p - 4b = -400$
 $-5p = -25$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

yes

Explain your answer by showing your calculation.

 \bigwedge

S8

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





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Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

the total amount of the bung spent. X 0

2. Write a similar equation, using p and b, for the items Jody bought.

 $\frac{4p + 2b = 300}{2}$

potato chips 45 (Lays) fu

candy bar ______

Show your work.

$$3p+4b=375$$

$$-8p-4b=-600$$

$$-8p-4b=-600$$

$$-5p=-225$$

$$3(45)+4b=375$$

$$135+4b=375$$

$$4b=240$$

$$b=60$$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

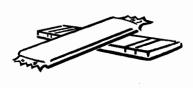
Explain your answer by showing your calculation.
$$(60 + 45 = 1.65 > 1.00)$$

no.

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay. 1p + 1c=

Ralph writes

$$3p + 4b = 375$$

1. If p stands for the cost, in cents, of a bag of potato chips and b stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

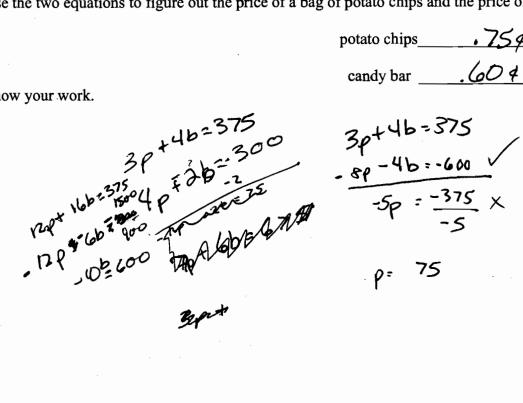
How much he sport totall on both items.

2. Write a similar equation, using p and b, for the items Jody bought.

4p+2b=300

potato chips . 75¢ ×

Show your work.



$$3p+4b=375$$
 $-8p-4b=-600$
 $-5p=\frac{-375}{-5}$
 $p=75$
(1)

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain

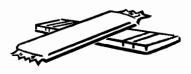
your answer by sh	owing your calcula	tion.			
۵.	<u> </u>	1.	,	11 .0 (-	

S10

This problem gives you the chance to:

• form and solve a pair of linear equations in a practical situation

Ralph and Jody go to the shop to buy potato chips and candy bars.





Ralph buys 3 bags of potato chips and 4 candy bars. He spends \$3.75.

Jody buys 4 bags of potato chips and 2 candy bars. She spends \$3.00.

Later Clancy joins Ralph and Jody and asks to buy one bag of potato chips and one candy bar from them. They need to work out how much he should pay.

Ralph writes

$$3p + 4b = 375$$

1. If **p** stands for the cost, in cents, of a bag of potato chips and **b** stands for the cost, in cents, of a candy bar, what does the 375 in Ralph's equation mean?

the 375 Means \$3.75 for his total. A

2. Write a similar equation, using p and b, for the items Jody bought.

4P +26=300

,

potato chips 454

candy bar 60t

Show your work.

$$4P+4b=375$$
 $4P+4b=300$ $100+2b=300$
 $-8P-4b=-600$ $2b=120$
 $-5P=-225$
 $P=45$ $135+240=375$

4. Clancy has just \$1. Does he have enough money to buy a bag of potato chips and a candy bar?

Explain your answer by showing your calculation.

NO. He need 54 More.