

How to pay?



You have many



Pay \$3 with the fewest coins.

*Always pay with the coin of the greatest value first.*



You have many



Pay \$4 with the fewest coins.



You have many



Pay \$5 with the fewest coins.



You have many



Pay \$6 with the fewest coins.



You have many



Pay \$9 with the fewest coins.



# Buy-and-sell games

[http://download3.mers.hk/primary/maths\\_eng/firefly/cS1S12/index.htm?JSPServerPath=www.mers.hk](http://download3.mers.hk/primary/maths_eng/firefly/cS1S12/index.htm?JSPServerPath=www.mers.hk)

If we want to buy a piece of ,

how should we pay for it with the fewest coins?



**Trial**

Work in pairs to discuss how to pay the amount with the fewest coins. Write the number of coins in . *Open-ended responses.*



Which coins will you use first?

**Discussion**

Compare your result with that of other groups. Find the group using the fewest coins. Look at the set of coins they use.

**Conclusion**

Consider dollar and cent separately.  
 It may be ( easier / more difficult ) to find the answer.  
 Pay with the coin of the ( greatest / smallest ) value first.  
 This allows us to pay with the fewest coins.

The set that makes up \$4.30 with the fewest coins is:



Write  
n


**Consolidation**

Pay the amount with the fewest  
 of coins in .



Book 1D p.85



 If we want to buy a piece of ,  
how should we pay for it with the fewest coins?



 Focus

**Trial**

Work in pairs to discuss how to pay the amount with the fewest coins. Write the number of coins in  . *Open-ended responses.*



Which coins will you use first?



**Discussion**

Compare your result with that of other groups. Find the group using the fewest coins. Look at the set of coins they use.

**Conclusion**

Consider dollar and cent separately.  
It may be (easier / more difficult ) to find the answer.  
Pay with the coin of the (greatest / smallest ) value first.  
This allows us to pay with the fewest coins.

 Note/Hint




The set that makes up \$4.30 with the fewest coins is:

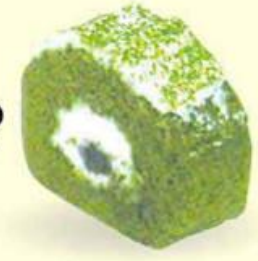


Write down the number of coins in  .





If we want to buy a piece of ,  
how should we pay for it with the fewest coins?



\$4.30



Trial





### Conclusion







Consider dollar and cent separately.

It may be (easier / more difficult) to find the answer.

Pay with the coin of the (greatest / smallest) value first.

This allows us to pay with the fewest coins.

The set that makes up \$4.30 with the fewest coins is:



					
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Write down the number of coins in .

### Consolidation

Pay the amount with the fewest coins. Write down the number of coins in .



					
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

