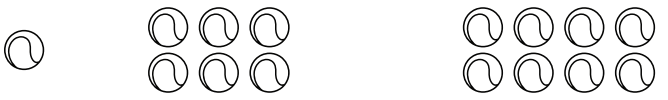
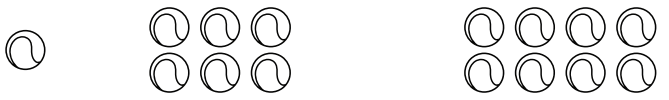
Name:

Money Problem Solving

Question 1a Three stores sell the same tennis balls packaged differently. Store 1: 6 balls for $6.60 Store 2: 8 balls for $9.60 Store 3: 4 balls for $4.20 Anh bought 18 balls from store 1. How much did Anh pay?	
Question 1b Henry wants to buy 24 balls. From which store should Henry purchase the balls to get the best deal?	
Question 1c Paula purchased 120 balls for $144. From which store did Paula purchase the balls?	
Question 2a Hanna earns $12 per hour working 30 hours per week. How much does Hanna earn in one week?	
Question 2b Hanna saves 10% of her wage each week. How much does Hanna save each week?	
Question 2c How many weeks will it take Hanna to save $720?	
Question 3a Jack earns $30 per hour and works 25 hours per week. Roy earns $25 per hour and works 25 hours per week. How much more per week does Jack earn than Roy?	
Question 3b How many hours per week does Roy need to work so that he earns the same amount as Jack?	
Question 4 A store is selling tennis balls packaged differently.  $2 $10 for a pack of 6 $12 for a pack of 8 What is the largest number of tennis balls that you can buy for $30?	

ANSWERS

Money Problem Solving

Question 1a *Three stores sell the same tennis balls packaged differently.* *Store 1: 6 balls for $6.60 Store 2: 8 balls for $9.60 Store 3: 4 balls for $4.20* *Anh bought 18 balls from store 1. How much did Anh pay?*	*$6.60 x 3 = $19.80*
Question 1b *Henry wants to buy 24 balls.* *From which store should Henry purchase the balls to get the best deal?*	*Calculate the cost of 24 balls from each store.* *Store 1: $6.60 x 4 = $26.40* *Store 2: $9.60 x 3 = $28.80* *Store 3: $4.20 x 6 = $25.20 (BEST DEAL)*
Question 1c *Paula purchased 120 balls for $144.* *From which store did Paula purchase the balls?*	*Calculate the cost of 1 ball from each store then multiply by 120 to work out which costs $144.* *Store 2: $9.60 ÷ 8 = $1.20* *$1.20 x 120 = $144*
Question 2a *Hanna earns $12 per hour working 30 hours per week.* *How much does Hanna earn in one week?*	*Multiply Hanna's hourly rate by 30.* *$12 x 30 = $360*
Question 2b *Hanna saves 10% of her wage each week.* *How much does Hanna save each week?*	*10% of $360 = $36*
Question 2c *How many weeks will it take Hanna to save $720?*	*Divide the target amount by the amount saved each week.* *$720 ÷ $36 = 20* *It will take 20 weeks.*
Question 3a *Jack earns $30 per hour and works 25 hours per week.* *Roy earns $25 per hour and works 25 hours per week.* *How much more per week does Jack earn than Roy?*	*Jack earns: $30 x 25 = $750* *Roy earns: $25 x 25 = $625* *$750 - $625 = $125* *Jack earns $125 more per week than Roy.*
Question 3b *How many hours per week does Roy need to work so that he earns the same amount as Jack?*	*Divide the total amount Jack earns each week by Roy's hourly rate. $750 ÷ $25 = 30* *Roy needs to work 30 hours each week to earn the same as Jack.*
Question 4 *A store is selling tennis balls packaged differently.*  *$2 $10 for a pack of 6 $12 for a pack of 8* *What is the largest number of tennis balls that you can buy for $30?*	*Try buying the packs in different combinations until the greatest number of balls can be purchased for $30.* *2 packs of 8 = 16 balls ($24)* *3 single balls = 3 balls ($6)* *19 balls can be purchased for $30*