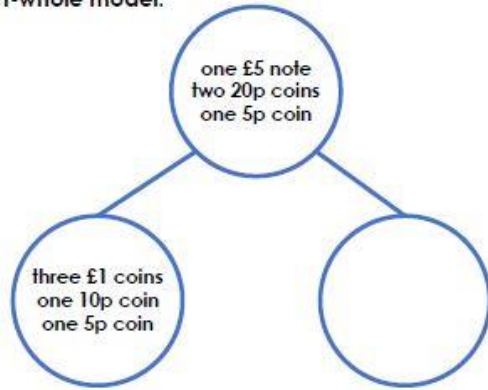


Maths Extension Questions

Find the Difference

7. Complete the part-whole model.



VF
HW/Ext

8. Mason has been saving his pocket money. He buys a ball. How much pocket money does he have left?



£8 and 15p



VF
HW/Ext

9. Scarlett bought a dress and one other item shown below. She spent £8 and 45p.



£2 and 20p

£5 and 5p

£2 and 40p

What could the dress cost? Give three possibilities.



RPS
HW/Ext

Find the Difference

7a. Nia is shopping.

A hat costs £2 and 42p.



£2 and 42p

The difference between the price of a hat and a scarf is £1 and two 20p pieces.

How much is a scarf?



Find the Difference

7b. James is shopping.

A truck costs £4 and 57p.



£4 and 57p

The difference between the price of the truck and a go kart is £3 and four 5p pieces.

How much is the go kart? Prove it.



8a. Mick is saving up to buy a box of toys. He thinks he needs another £5 and 8p. Is he correct? Prove it.



£1



£8 and 58p



8b. Anna is saving up to buy a doll. She thinks she has £1 too much. Is she correct? Prove it.



Two 20p coins



£4 and 50p

9a. Chris has £9 and 22p. Some money has fallen out of his pocket.



Two 1p coins

These are the coins he has left. What money could he have dropped?

Give two possibilities.



9b. Aleena has £11 and 52p. Some money has fallen out of her pocket.



£1 1p

Two 10p coins

These are the coins she has left. What coin(s) could she have dropped?

Give two possibilities.



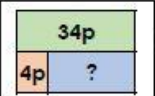
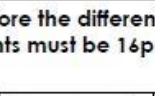



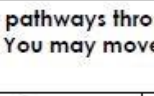


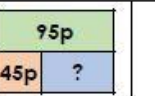
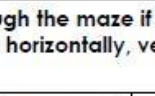
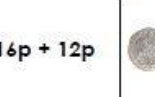
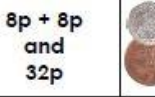
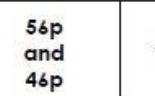
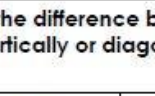


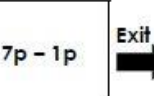
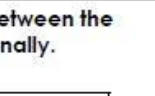


PS

PS

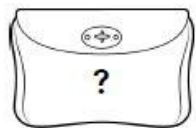
Find the Difference

1. Explore the different pathways through the maze if the difference between the amounts must be 16p. You may move horizontally, vertically or diagonally.

Start →	 and 	 and 	 and 	 and 	 and 	 and 	 and 	 and 	 and 	 and 	Exit →
	16p + 12p	20p	76p	42p and 26p	18p and 2p	8p + 8p and 32p	56p and 46p	17p - 1p	99p and 84p	5p and 4p	Exit →
	22p	24p	34p	4p	32p	32p	46p	1p	84p	46p	Exit →
	?	?	?	?	?	?	?	?	?	?	Exit →

2. Faye and Peter are shopping. Faye has 95p to spend and Peter has 80p to spend.

	Carrot 65p
	Banana 72p
	Apple 45p
	Orange 69p



If they each buy one item, investigate the difference between how much money each child has left.

Find Change

7. Match the calculation to the correct amount of change.

A. sixty-seven pence - fifty-four pence = 

B. fifty-three pence - nineteen pence = 

C. seventy-eight pence - forty-nine pence = 



VF
HW/Ext

8. Which calculation is the odd one out?

A. five 2p coins - three 5p coins
three 20p coins - two 20p coins
 - 

B. seven 2p coins - eight 1p coins
four 10p coins - two 10p coins
 - 

C. six 5p coins - five 10p coins
nine 2p coins - four 5p coins
 - 



VF
HW/Ext

9. Fred has been saving his pocket money and has the coins below.

seven 2p coins eight 1p coins two 10p coins three 5p coins two 20p coins

He wants to buy one or more toys but he also wants to have at least 14p change.



Which item or items could he buy in the toy shop? How much change would he have?



RPS
HW/Ext

Find Change

7a. Alana is given 99p to buy a bottle of water. She is allowed to spend the change. What can she buy?



fifty-three pence



thirty-nine pence



forty-five pence



forty-seven pence



PS

Find Change

7b. Elijah is given 81p to buy a carton of juice. He is allowed to spend the change. What can he buy?



thirty-nine pence



forty-one pence



forty-three pence



forty-two pence



PS

8a. Lydia has the coins below to go shopping.

2 lots of 20p coins

5 lots of 5p coins

4 lots of 2p coins



I have spent forty pence.

The shopkeeper gives Lydia her change.

What coins could she have?



PS

8b. Noah has the coins below to go shopping.

5 lots of 10p coins

7 lots of 5p coins

9 lots of 1p coins



I have spent fifty-six pence.

The shopkeeper gives Noah his change.

What coins could he have?



PS

9a. Aidan has £1. He buys some crayons that costs the amount shown below.



I need forty-two pence change.

Is Aidan correct? Explain your answer.



R

9b. Ellie has 93p. She buys a book that costs the amount shown below.



I need twenty-six pence change.

Is Ellie correct? Explain your answer.



R

Find Change

1. Tia is visiting a shop in town and has £1 to spend.



She buys some items and gets 4 coins as her change.



Investigate the combinations of items Tia could have bought to receive only 4 coins in her change. Identify the 4 coins she might have received.

DP

2. Harvey is visiting the school fair and has £1 to spend. He wants to have enough money left over to buy at least 3 tombola tickets.



Coconut Shy.....	28p
Hook A Duck.....	52p
Hoopla.....	45p
Tin Can Alley.....	40p
Archery.....	25p
Tombola.....	5p

Explore the different combinations of activities Harvey can do.

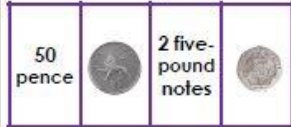
DP

Find the Total

7. Which is the odd one out?



Betty



Louis



David



VF
HW/Ext

8. Lewis went into a shop and bought 3 gem stones.



True or false? He spent £6 and 14 pence in total.



VF
HW/Ext

9. Gina and Ira have both been given their pocket money.



Gina

I think I have the most pocket money because I have a 5 two-pound coins, a 50 pence coin and 2 twenty-pence coins.

I think I have the most pocket money because I have a 1 pound coin, 4 two-pound coins and 1 fifty-pence coin.



Ira

Who do you agree with? Explain why.



RPS
HW/Ext

Find the Total

7a. Gabby is buying a new outfit.

trousers	socks	jumper	trainers
4 two-pound coins	65p		£6

She says,



If I buy trousers, socks, a jumper and trainers, I will spend £16 and 65p in total.

Is she correct? Explain how you know.



Find the Total

7b. Paula is art supplies for her class.

paint	pastels	clay	pencils
6 pounds		2 five-pound notes	87p

She says,



If I buy paint, paintbrushes, clay and pencils, I will spend £19 and 87p in total.

Is she correct? Explain how you know.



8a. Kelvin is counting his money.



He picks 4 of the amounts shown above. Two of the amounts have the same value. What is the greatest total he could have? What is the smallest total he could have?



8b. Victor is counting his money.



He picks 4 of the amounts shown above. Two of the amounts have the same value. What is the greatest total he could have? What is the smallest total he could have?



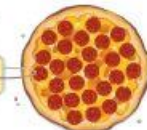
9a. Max has these coins and notes.



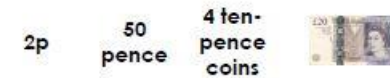
Does he have enough money to buy the pizza?

Explain your answer.

£7 and 22 pence



9b. Eddy has these coins and notes.



Does he have enough money to buy a ticket for the waterpark?

Explain your answer.

20 pounds and 99p



Find the Total

1. A supermarket has made a total of £32 so far today. Two more customers visit the shop before it closes.



I bought two items and spent less than Jim altogether.

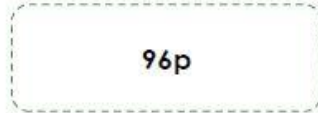
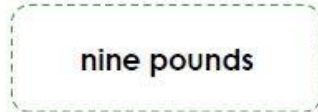
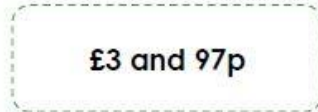
I bought more than 2 items but less than 5 items.



Explore the possible amounts that Sally and Jim could have spent, and calculate what the final supermarket sales total would be after the customers leave the shop.

DP

2. Cut out the cards below and mix them up. Then, place them face down on a table. Match each calculation you turn over to its correct total.



DP

Two-Step Problems

7a. Harley finds a £10 note.

He puts it with the £1 coin and the two £2 coins he has.

Does he have enough to buy the art set?



Explain how you know.



Two-Step Problems

7b. Suzannah finds a £5 note.

She puts it with the £1 coin and £2 coin she has.

Does she have enough to buy the yo-yo?



Explain how you know.



8a. Aisha has one 50p coin, two 20p coins, three 2p coins and two 1p coins.



A windmill is 28p.

How many windmills can she buy?

How much change will she get?



8b. Hussain has one £20 note, three £1 coins and one £2 coin.



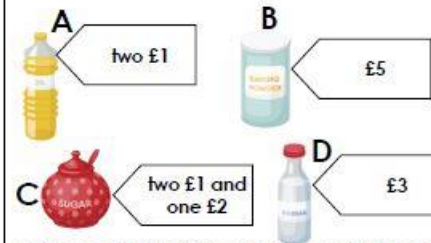
A robot is £10.

How many robots can he buy?

How much change will he get?



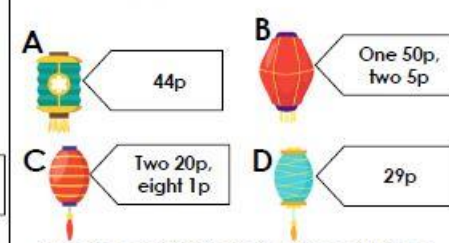
9a. Kevin spends £9. Which 2 items does he buy?



Which combination of coins could he use to pay £9, using the least amount of coins?



9b. Grace spends 73p. Which 2 items does she buy?



Which combination of coins could she use to pay 73p, using the least amount of coins?



PS

Two-Step Problems

1. Luna has found a voucher for a special offer at the cinema! She invites Fred and Hattie to go to the cinema with her to celebrate her birthday.

Special Offer
Three tickets for the price of two!

One child ticket costs £3.



If the children have £10 to spend altogether, explore the different combinations of drinks and snacks that they could buy with their money.

Cinema Shop



DP

2. Jonty finds three different coins lying on the ground while walking down the street.



He places these coins inside his wallet. Investigate what Jonty's new total could be.

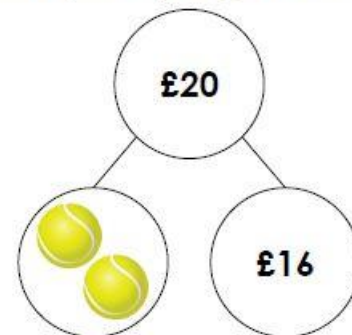
DP

Two-Step Problems

1. Asif has £20. He buys two tennis balls from the sports shop and gets £16 change.

How much does each ball cost?

How many balls can Asif buy with £10?



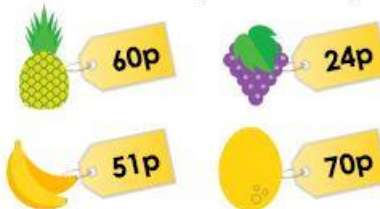
2. Millie has £25 to spend in the toy shop.



She buys two toys and gets £3 change. Which two toys does she buy?

How much more money does she need to buy the car?

3. Jack has a £1 coin to spend at the shop. Is he correct? Explain your answer.



If I buy two lots of fruit from the shop with my £1 coin, the shopkeeper will give me 6p change.