

# HOME LEARNING

## Year 7 Maths Learning Pack 9

Focus for this week: Develop money skills

Essential learning:	<ul style="list-style-type: none"><li>Counting coins and notes</li></ul>
Practising:	<ul style="list-style-type: none"><li>Finding change</li></ul>
Learning about:	<ul style="list-style-type: none"><li>Solving money problems</li></ul>
Extension:	<ul style="list-style-type: none"><li>Learning about best value problems</li></ul>

### Contents:

- Worksheet 1** Counting coins
- Worksheet 2** Making sums of money
- Worksheet 3** Finding change
- Worksheet 4** Solving money problems
- Worksheet 5** Best value problems

### Tasks:

- Look at the learning objectives, reflect on what you are already confident with, what you would like to practise and what you would like to learn this week
- Choose 2-3 worksheets to complete this week and email them to Mr. Croft or Mrs. Coleman
- Login to MyMaths and complete MyMaths tasks
- Spend 10 minutes a day on Times Table Rock Stars; Numbots OR Sumdog
- Please email a photo of any worksheets or poster you complete to the email address below.  
*This will earn you a golden token.*

### Additional activities:

- Play Monopoly and/or other money games
- Investigate the exchange rate of currencies around the world
- Investigate different taxes that people pay (e.g. VAT, council tax, income tax & National Insurance). What does each tax pay for?

If you have queries about this work, please contact Mrs. Coleman at [jcoleman@bower-grove.kent.sch.uk](mailto:jcoleman@bower-grove.kent.sch.uk)

**Worksheet 1** Counting coins and notes

Ask if you may count the money in your piggy bank or savings jar.

Tip out all the coins/notes and then try to work out how much money there is altogether.

Try making piles of coins that add up to £1. Continue in a logical way to count the coins.

Design a way of recording what you have found out.

**Extension:** Look for money used in other countries, count it and investigate how much they would be worth in £ and p.

**Worksheet 2** Making sums of money

Tom investigated the amount of coins needed to make amounts of money. He began to fill in the table below. Can you continue it and investigate any patterns you notice. Can you use what you have found out to predict how many coins would be needed to make larger amounts of money?

Amount	Minimum coins needed	Number of coins
1p	1p	1
2p	2p	1
3p	2p, 1p	2
4p	2p, 2p	2
5p	5p	1
6p	5p, 1p	2
7p		
8p		
9p		
10p		
11p		
12p		
13p		
14p		
15p		
16p		
17p		
18p		
19p		
20p		
21p		
22p		
23p		
24p		
25p		
26p		
27p		
28p		
29p		
30p		

Amount	Coins needed	Number of coins
31p		
32p		
33p		
34p		
35p		
36p		
37p		
38p		
39p		
40p		
41p		
42p		
43p		

50p		
55p		

60p		
68p		

70p		
74p		

80p		
89p		

90p		
95p		

£1		
£1.32		
£1.95		

**Worksheet 3** Finding change

**Task 1:** Decide what coin or note you would use to buy the following items

Item	Coin or note you might use
Chocolate bar	£1 coin
T shirt	
Bag of crisps	
Magazine	
Tin of baked beans	
Book	
Cinema ticket	
Pint of milk	

**Task 2:**

Complete the following till receipts and find the change needed.

1 Tin Peach slices	29p
1 Kiwi Fruit	16p
1 Orange	34p
1 Banana	15p
Total	
Cash in	£1
Change required	

1 Onion	15p
Pasta	80p
Pasta sauce	80p
2 carrots	14p
Total	
Cash In	£2
Change required	

Ham	£1.12
French bread	80p
Margarine (500g)	£1
Mustard	60p
Total	
Cash in	£5
Change required	

Chicken Drumsticks (900g)	£1.67
Jar Spanish Chicken sauce (500g)	£1.70
Easy Cook Rice (1 kg)	£1.20
1 Red pepper	45p
Total	
Cash In	£10
Change required	

Email completed worksheets to me at [jcoleman@bower-grove.kent.sch.uk](mailto:jcoleman@bower-grove.kent.sch.uk) . Each good attempt earns a golden token.

**Worksheet 4** Solving money problems

Design a family meal for a budget of £8 in total.

You can use recipe books to inspire you.

The on line supermarkets will give you prices of ingredients or look at the latest shopping bill at home.

Extension task:- compare the prices of your ingredients with different supermarkets to find the best value.

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**Worksheet 5** Best value problems

Research the cost of margarine in the supermarket (use a supermarket website) and complete the table below.

Brand name	Weight (in kg). Hint 500g = 0.5 kg	Cost	Cost per kilogramme (cost ÷ weight in kg)

Which brand was the best value?

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