

Year 4 Maths  
Remote learning  
Week beginning  
Monday 25<sup>th</sup>  
January 2021

This pack contains:

- Completed activity for teaching
- 5 lessons with tasks

You will then need to bring in your homework book when you return to school. The teacher will then be able to give you feedback on the work.

# Lesson 1 - Teaching

## Can I make money amounts using coins?

Answers  
76p 86p 96p £1.06 £1.16 £1.26 £1.36  
£1.89 £1.99 £2.09 £2.19 £2.29 £2.39 £2.49  
94p £1.04 £1.14 £1.24 £1.34 £1.44 £1.54  
£3.61 £3.71 £3.81 £3.91 £4.01 £4.11 £4.21

### Starter:

Can I count forwards and backwards in 10p?

Copy and complete these sequences by counting forward or back in 10p jumps.

76p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

£1.89p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_ £1.54

\_\_\_\_\_ £4.21,

### Task:

Today we are going to make money amounts in different ways using coins and/or notes.

### Example

Here are three ways you could make 68p:

$$50p + 10p + 5p + 2p + 1p$$

$$20p + 20p + 20p + 2p + 2p + 2p + 2p$$

$$10p + 10p + 10p + 10p + 20p + 5p + 1p + 1p + 1p$$



## Lesson 1 - Activity

### Can I make money amounts using coins and notes?

If I am a shopkeeper and I have to give change, which notes and coins could I use?

Change	Coins/Notes	or...	or...
88p			
£1.50			
£2.65			
£5.94			
£11.36			

Write the different ways you could make these amounts using coins and/or notes. Different answers are possible. When you have finished, use a calculator to check your answers.

## Lesson 2 - Teaching

### Can I find the total value of coins?

Answers  
50p £1 £1.50 £2 £2.50 £3 £3.50  
£1.25 £1.75 £2.25 £2.75 £3.25 £3.75 £4.25  
£2.00 £2.50 £3.00 £3.50 £4.00 £4.50 £5.00  
£7.80 £8.30 £8.80 £9.30 £9.80 £10.30 £10.80

#### Starter:

Can I count forwards and backwards in 50p's?

Copy and complete these sequences by counting forward or back in 50p jumps.

50p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

£1.25p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, £5.00

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, £10.80

Task: Your task today is to find the total value of given coins.

Look at this example.



How would you add up these coins?

You could add the pounds first:  $£2 + £1 + £2 = £5$

Then you could add up the pence:  $20p + 2p = 22p$

Then add the pounds and pence together:  $£5 + 22p = £5.22$

## Lesson 2 - Activity

### Can I find the total value of coins?



#### Purple Challenge

Find the total value of each row of coins.

#### Green Challenge

Find the total value of each column of coins.

#### Yellow Challenge

Find the total value of all the coins.

#### Answers

##### Purple

£5.22 £2.71 £3.56 £3.57 £1.36

##### Green

£1.77 £6.01 £1.40 £3.53 £3.71

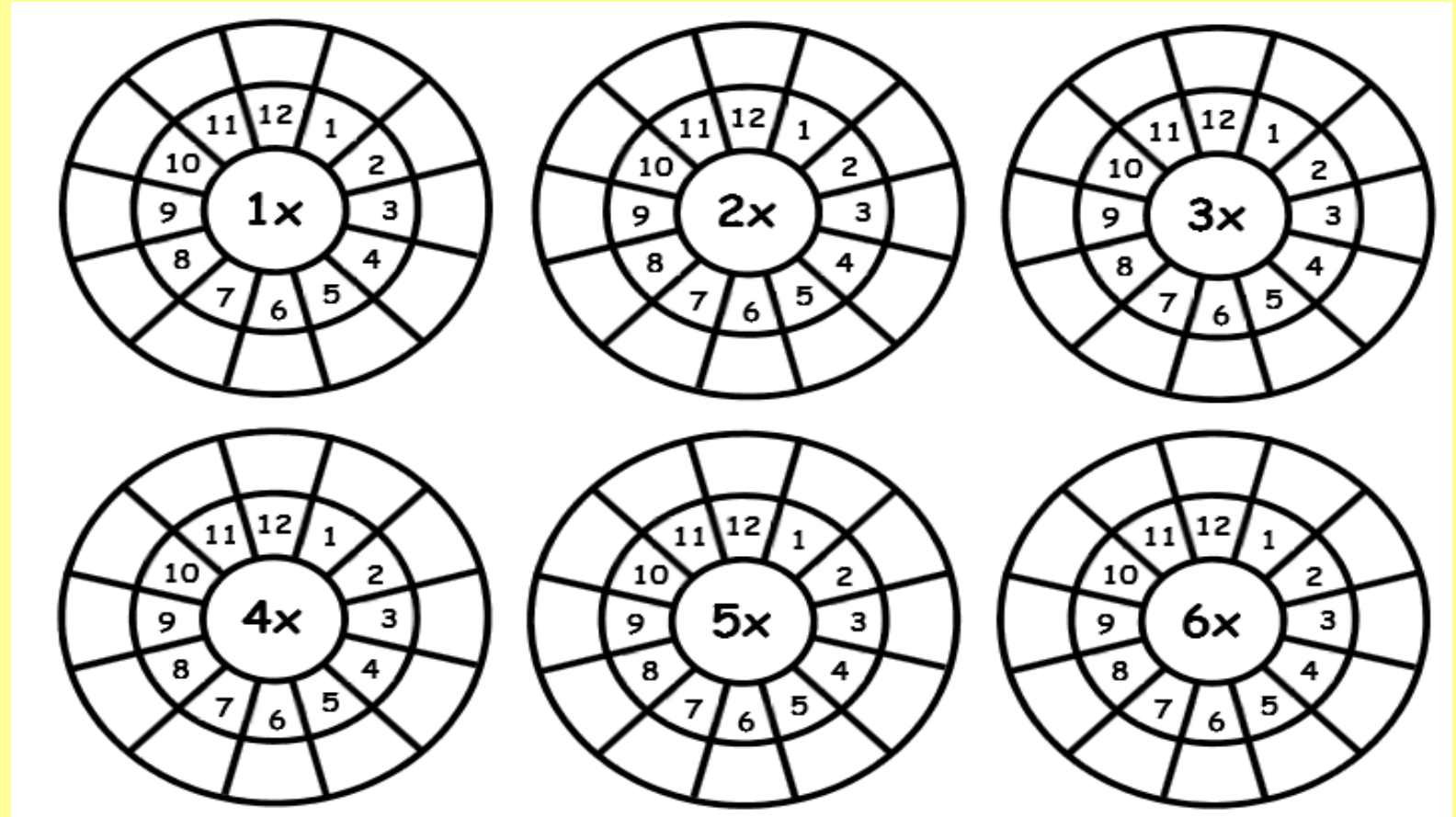
##### Yellow

£32.84 (This is rows and columns so adding some coins twice!) I make this £16.42

## Lesson 3 - Teaching Can I recall times table facts?

### Starter:

Multiply each number by the one in the centre of each wheel and write the answers in the outside wheel.



Task: Today, you are going to complete Multiplication Grid 6

# Lesson 3 - Activity

## Can I recall times table facts?

Multiplication Grid 6 - Fill in the missing numbers

<b>X</b>							3	6
2								
				49				
4			16					
						9		
					64			
8		24						
5	10							
6								36

6	12	18	24	42	48	18	18	36
5	10	15	20	35	40	15	15	30
8	16	24	32	56	64	24	24	48
8	16	24	32	56	64	24	24	48
3	6	9	12	21	24	9	9	18
4	8	12	16	28	32	12	12	24
7	14	21	28	49	56	21	21	42
2	4	6	8	14	16	6	6	12
<b>X</b>	2	3	4	7	8	3	3	6

Multiplication Grid 6 - Answers

Answers:

# Lesson 4 - Teaching

## Can I solve money problems?

### Starter:

Can I count forwards and backwards in 20p?

Copy and complete these sequences by counting forward or back in 20p jumps.

40p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

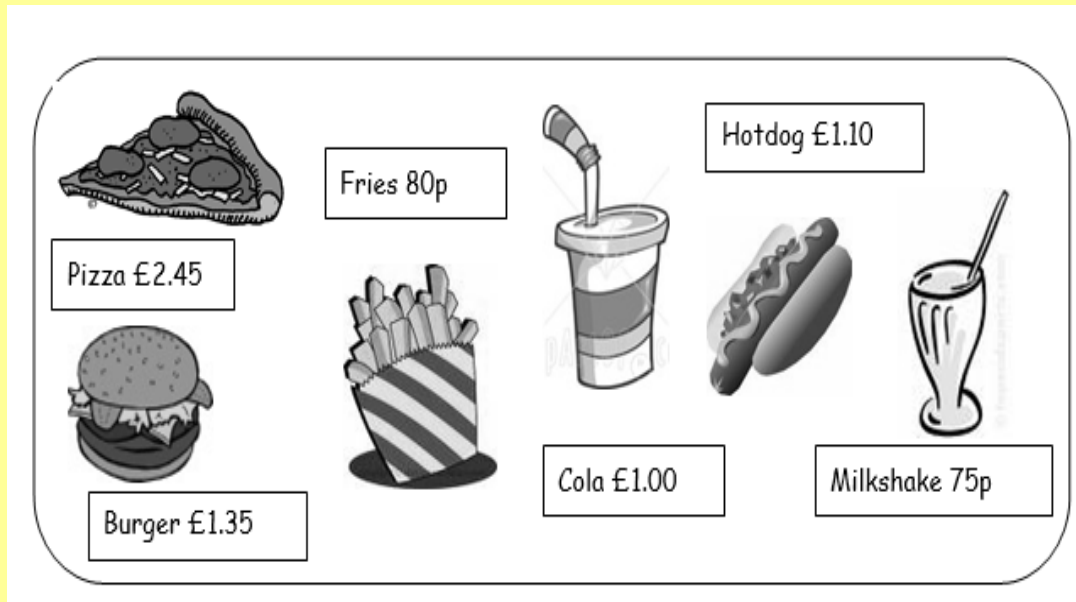
£1.53p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_ £2.60

\_\_\_\_\_ £3.75

Answers  
40p 60p 80p £1 £1.20 £1.40 £1.60  
£1.53 £1.73 £1.93 £2.13 £2.33 £2.53 £2.73  
£1.40 £1.60 £1.80 £2.00 £2.20 £2.40 £2.60  
£2.55 £2.75 £2.95 £3.15 £3.35 £3.55 £3.75

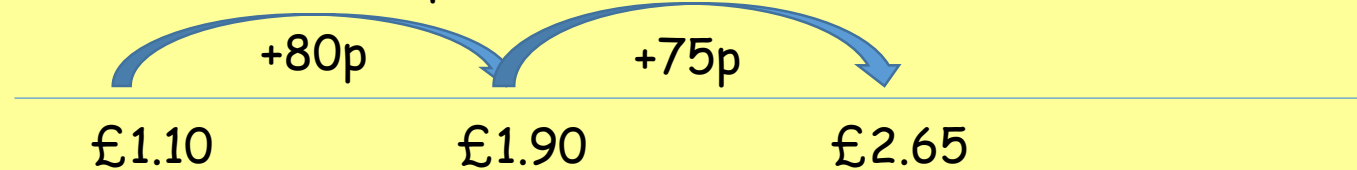
Task: You will be solving money problems like this one:



If I buy a hotdog, fries and a milkshake, how much change would I get from £5?

$$£1.10 + 80p + 75p =$$

You could work this out on a number line or draw and add up the coins.



Then take this away from £5 to find the 'change'.

$$£5 - £2.65 = £2.35$$

You could work this out on a number line or use coins.



# Lesson 4 - Activity

## Can I solve money problems?

Choose either Purple or Green questions. Write the number sentences and show your working out in your book.  
If you need another day to complete the questions, you could carry on with this tomorrow.

Can I solve money problems? (Purple)



A menu for the Purple section showing various food items with their prices in boxes:

- Pizza £2.45
- Burger £1.35
- Fries 80p
- Hotdog £1.10
- Cola £1.00
- Milkshake 75p

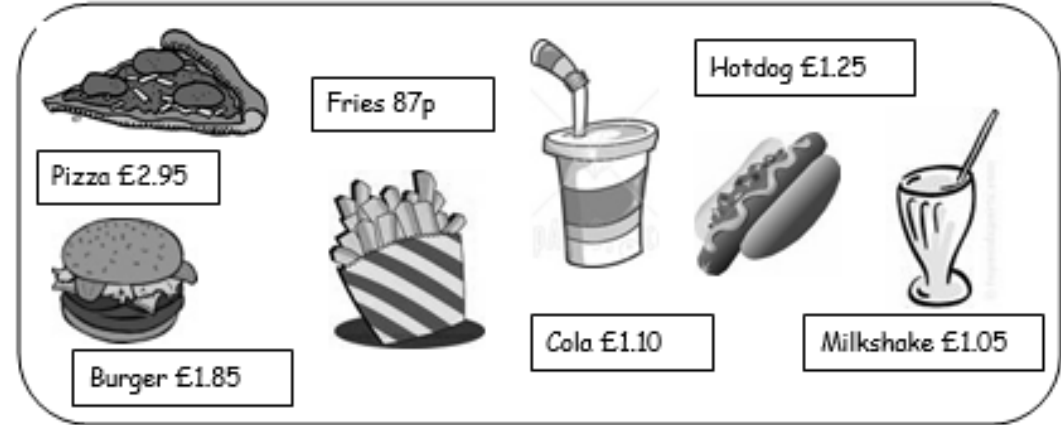
Purple 1)  
Jenna has a pizza, chips and a milkshake.  
How much change would she get from £5.00?

Purple 2)  
Faye has a fries a burger and 2 colas.  
How much change would she get from £5.00?

Purple 3)  
Luke buys 2 hotdogs and a milkshake.  
How much change does he get from £5.00?

Purple 4)  
Imagine your have £5.00 to spend. What would you buy?  
How much change would you get?

Can I solve money problems? (Green)



A menu for the Green section showing various food items with their prices in boxes:

- Pizza £2.95
- Burger £1.85
- Fries 87p
- Hotdog £1.25
- Cola £1.10
- Milkshake £1.05

Green 1)  
Olivia has a pizza, fries and a milkshake.  
How much change does she get from £10.00?

Green 2)  
Ethan buys his friend lunch. They both have fries, a burger and cola.  
How much change does he get from £10.00?

Green 3)  
Luke buys one of everything on the menu.  
How much change does he get from £10.00?

Yellow Challenge  
Imagine you have £20.00 to buy lunch for you and a friend. What would you buy?  
How much change would you get?

## Lesson 4 - Activity

### Can I solve money problems?

#### Answers

Purple 1  $£2.45 + 80p + 75p = £4$  Change from  $£5 = £1$

Purple 2  $80p + £1.35 + £1 + £1 = £4.15$  Change from  $£5 = 85p$

Purple 3  $£1.10 + 1.10 + 75p = £2.95$  Change from  $£5 = £2.05$

Purple 4 Different answers are possible. Check with a calculator.

Green 1  $£2.95 + 87p + £1.05 = £4.87$  Change from  $£10 = £5.13$

Green 2  $(87p + £1.85 + £1.10) \times 2 = £7.64$  Change from  $£10 = £2.36$

Green 3  $£2.95 + 87p + £1.05 + £1.25 + £1.85 + £1.10 = £9.07$  Change from  $£10 = 93p$

Yellow Challenge Different answers are possible. Check with a calculator.

# Lesson 5 - Teaching

## Can I solve money problems?

### Starter:

Can I count forwards and backwards in 25p?

Copy and complete these sequences by counting forward or back in 25p jumps.

25p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

£2.50p, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, £4.75

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, £9.25

Answers  
25p 50p 75p £1 £1.25 £1.50 £1.75  
£2.50 £2.75 £3.00 £3.25 £3.50 £3.75 £4.00  
£3.25 £3.50 £3.75 £4.00 £4.25 £4.50 £4.75  
£7.75 £8.00 £8.25 £8.50 £8.75 £9.00 £9.25

Task: You will be continuing with the problems from yesterday unless you have finished all the question for Purple or Green.

If you have finished, try the nrich problem on the next page!

## Lesson 5 - Activity

### Can I solve money problems?

Ram divided 15 pennies among four small bags.



He labelled each bag with the number of pennies inside it.

He could then pay any sum of money from 1p to 15p without opening any bag.

How many pennies did Ram put in each bag?

Answers  
Bag 1 will have 1 penny  
Bag 2 will have 2 pennies  
Bag 3 will have 4 pennies  
Bag 4 will have 8 pennies.  
Show how you can make all the  
amounts from 1 p to 15p by just  
adding the value of different bags  
together.