	2	.	5	7
+	0	.	0	7
	2	.	6	4

First, you need to put the decimal place in so you don't forget it later on!

Then, complete the column addition the same way you would if you weren't using decimals.

E.G: 7+7= 14, you need to carry the 1 over to the tens column and complete 5+0+1=6 and so on…

Lewis went to the shop and bought 1 magazine, at £4.70 each and 2 packets of biscuits, at 65p per packet.
- How much does he spend altogether?

What do we need to do here?

Step 1: Find the price of 2 packets of biscuits

Step 2: Add that to the price of the magazine

Answer = £6

```
 0.65          4.70
+0.65         +1.30
------        ------
 1.30          6.00
```

A One Direction CD costs £10.40, and Little Mix's CD costs £7.75.

How much more does One Direction's CD cost?

What do we do here? WELL...

We're going to have to use subtraction, as we are trying to find the DIFFERENCE. Follow the 2 steps below to see how I got the answer £2.65

$$10.\overset{3}{\cancel{4}}0$$
$$- 7.75$$
$$\overline{.\ 5}$$

$$\overset{9}{\cancel{1}}0.\overset{\cancel{3}}{\cancel{4}}0$$
$$- 7.75$$
$$\overline{.65}$$

$$\overset{9}{\cancel{1}}0.\overset{\cancel{3}}{\cancel{4}}0$$
$$- 7.75$$
$$\overline{2.65}$$

NOTE: You could also, COUNT UP from £7.75 to get to £10.40 on a number line.

Adding and Subtracting Decimals
8.6.20

1.	Work out 6.483 + 5.94 Work out 4.032 – 0.314
2.	Here is a bar model. 1.34 12.9 ? Work out the value of the missing bar. Write down four relationships you can see in this bar model.
3.	Molly has £540.67 in the bank. She buys her weekly shopping that costs £60.72 How much money does Molly have left in the bank? Show how you can check your answer is correct using an inverse.
4.	Geoff buys the following items. He starts with £200 £79.95 £45.60 How much does he have left once her has bought everything?
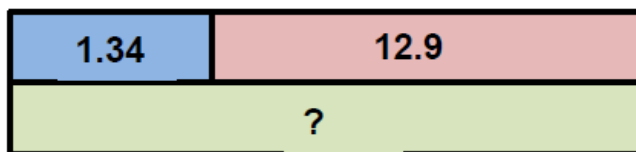
Choose one challenge!

8-6-20 Adding and Subtracting Challenges

Option 1:

Look at the different ways that Rosie, Alice, James, Katie and Henry spent their money.
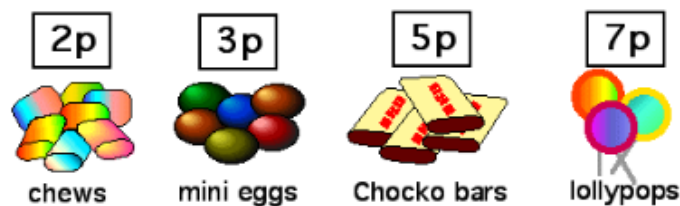
Can you solve the problem for each child?

The Puzzling Sweet Shop

Age 7 to 11 ★★

Rosie went into the sweet shop with 10p to spend.

There were chews for 2p, mini eggs for 3p, Chocko bars for 5p and lollypops for 7p.

2p	3p	5p	7p
chews	mini eggs	Chocko bars	lollypops

What could she buy if she wanted to spend all her money?

Alice, James, Katie and Henry went into the shop too. They each had 20p to spend and they all spent all of their money.

Alice bought at least one of each kind of sweet. Which one did she have two of?

James spent his money on just one kind of sweet, but he does not like chews. Which sweets did he buy?

Katie bought the same number of sweets as James but she had 3 different kinds. Which sweets did she buy?

Henry chose 8 sweets. What could he have bought?

Option 2:

You are hosting a birthday party and invited everybody in Butterflies (32 guests). Mrs Bartley has given you a budget of £60.00 to spend on party food and drinks for you and your guests.

Using the website of a supermarket, browse their produce and decide how you are going to spend your money.

Think:

1) how can you ensure there is food that everybody would like?
2) look at the different options to find the best deals
3) keep track of how much you've spent so you don't go over budget.

Upload your party menu to portfolios and don't forget to include the total you've spent and how you worked it out.

Adding and Subtracting Decimals
8.6.20
Option 3:

Look at the website www.transfermarkt.com.

This has information about all footballers across the world.

Your task: make the best 7 a side team (must include 1x goalkeeper, 2x defenders, 3x midfielders and 1x striker).

However, you only have £300million to spend so look carefully at the transfer value next to each player and keep track of how much you have left to spend.

Eg: if you want Mo Salah, you'll have to spend £108m – leaving you only £192m for your remaining six players.

Name/Position	Position	Club	Age ↕	Nat.	Market Value ↕
Mohamed Salah Liverpool FC	RW		27		£108.00m

Please send me your 7 a side teams and the total you have spent – see if you think your team would beat mine…!