

L.I. To add amounts of money.

Recommended time approx 1 hour

Steps to success

- I know there are different strategies to add money.
- I can choose the strategy that works best for me.
- I can add different amount of money.



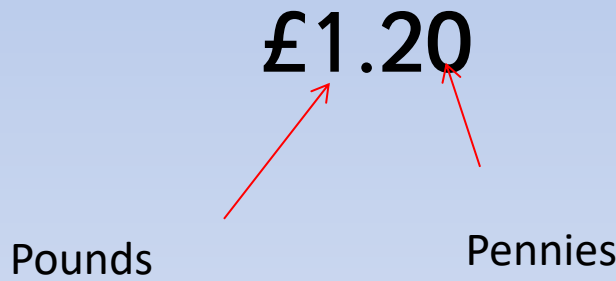
Today you will practising adding different amounts of money.

You will pick 2 or more items from your 'shop/café' that you made yesterday and add them together.

Remember, you have already decided how hard a challenge you want with how you priced them yesterday.

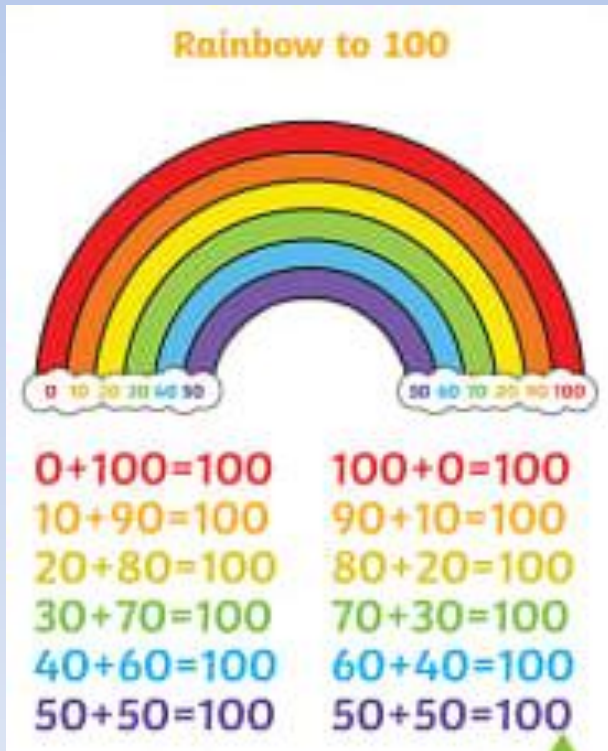
There are different strategies you can use to help you add money. You choose the method that makes sense to you!

Whichever strategy you choose remember to add up the pennies first and then the pounds. If your pennies add up to 100 or more then you have made a new pound.



Strategy 1- Mental Addition (adding in your head)

Use your number bonds to 100



Use your place value knowledge!

e.g.

$$32p + 20p =$$

You shouldn't need to count on 20 you can just look at the number in the tens and add 2...

$$32p + 20 = 52p$$

3 tens add 2 tens=5 tens and 5 tens are 50!

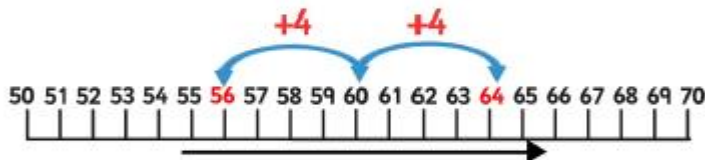
Strategy 1- Mental Addition (adding in your head)

Make Ten and Then Some

Add or subtract past tens.

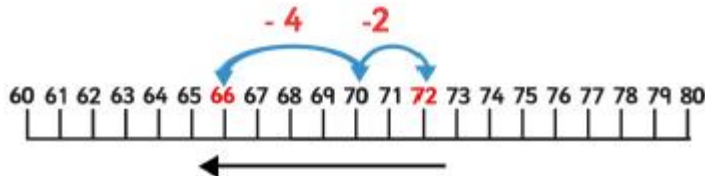
$$56 + 8 =$$

$$56 + 4 = 60 \quad \text{so} \quad 56 + 4 + 4 = 64$$



$$72 - 6 =$$

$$72 - 2 = 70 \quad \text{so} \quad 72 - 2 - 4 = 66$$



Compensation for 8 or 9

For adding or subtracting where a number has 8 or 9 in units.

Add 9 - add 10 and subtract 1
Subtract 8 - subtract 10 and add 2

Use strategy for:

Add 39 - add 40 and subtract 1
Subtract 79 - subtract 80 and add 1

$$\begin{aligned} 34 + 9 &= \\ 34 + 10 &= 44 \\ 44 - 1 &= 43 \end{aligned}$$

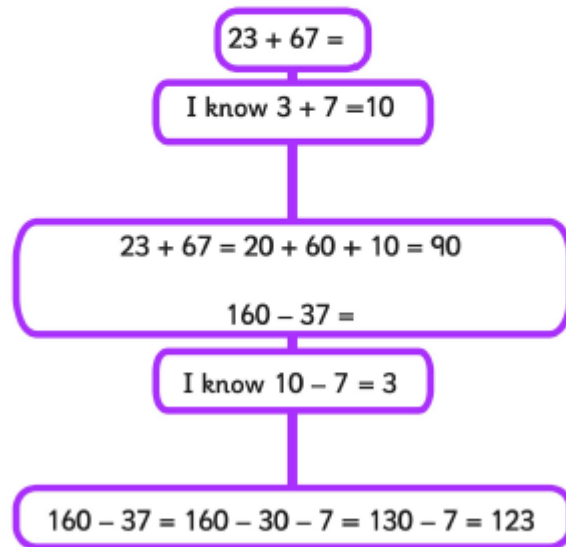
or

$$\begin{aligned} 83 - 38 &= \\ 83 - 40 &= 43 \\ 43 + 2 &= 45 \end{aligned}$$

Strategy 1- Mental Addition (adding in your head)

Using Pairs to Ten

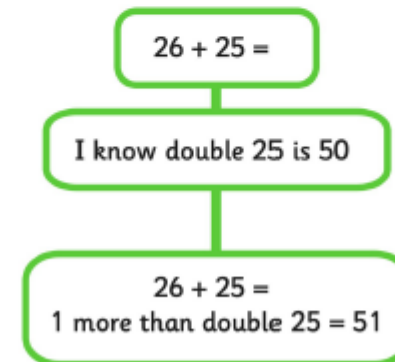
For adding where numbers add to 10, or ends with a 0.



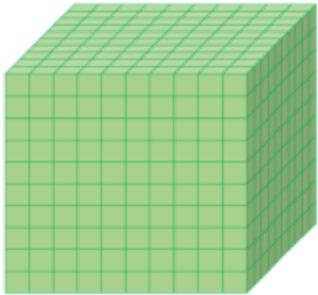
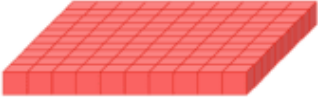



Near Doubles

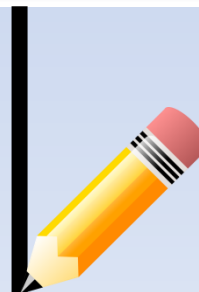
For adding similar numbers.

Double one of the numbers and adjust by adding or subtracting the difference.

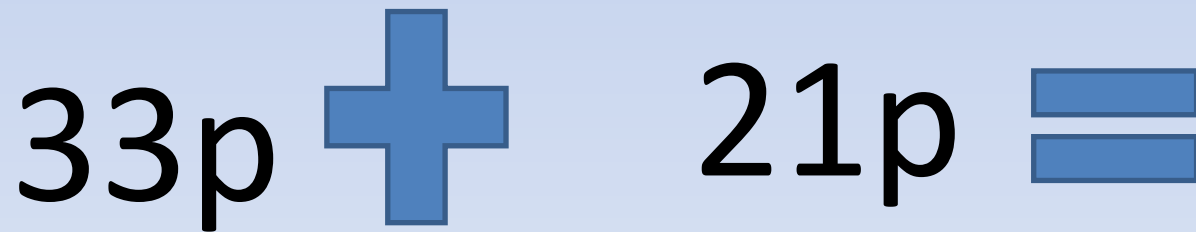
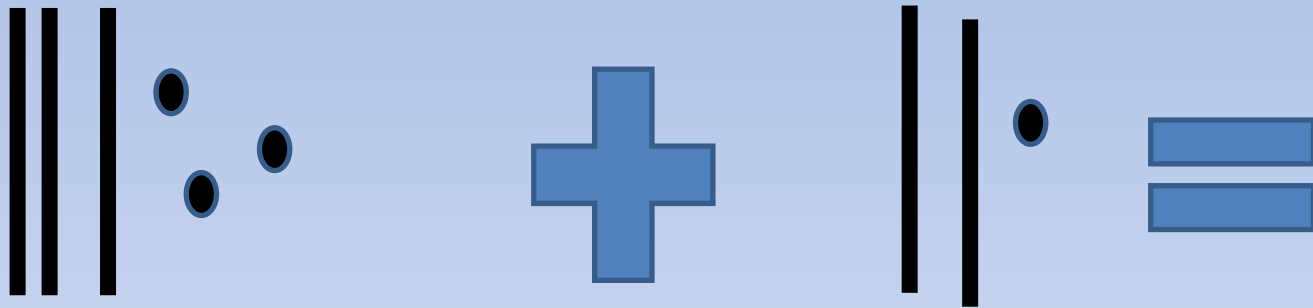


Strategy 2- draw dienes to represent the numbers you are adding

Thousands	Hundreds	Tens	Units/Ones
			
1000	100	10	1
<small>www.mathswithmum.com </small>			



Strategy 2



Strategy 2



A diagrammatic representation of the number 54. On the left, there are two groups of vertical lines: a group of three lines and a group of two lines. To the right of these lines are four dots arranged in a 2x2 grid. Further right is a blue equals sign, followed by the number 54.

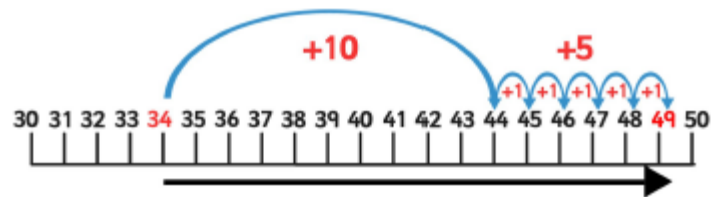
$$33p + 21p = 54p$$

Strategy 3- Add using a numberline or 100 square (I put both of these in your pack)

Counting On

For adding and subtracting numbers close to each other.
This strategy works well with a number line or square.
You can even do it mentally!

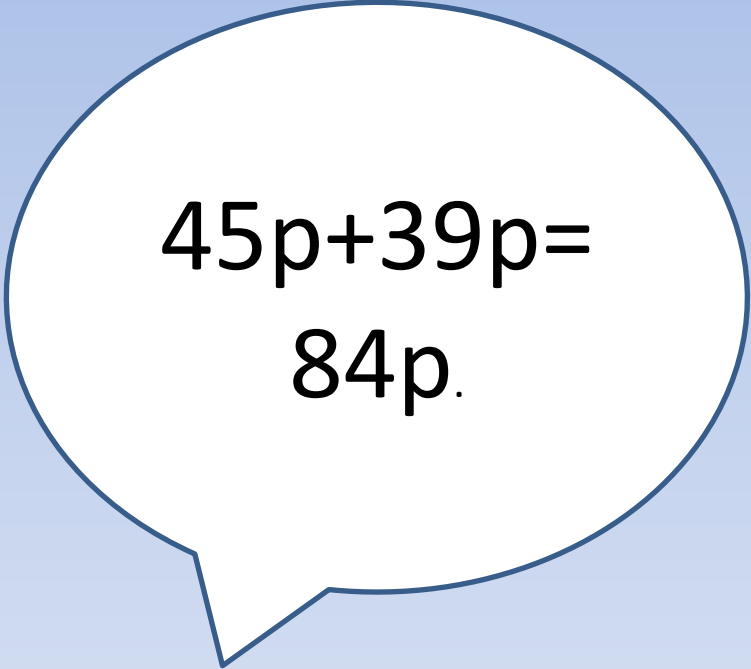
$$34 + 15 =$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Strategy 4- add using the expanded method.

$$\begin{array}{r} 45 \rightarrow 40 \text{ and } 5 \\ +39 \rightarrow 30 \text{ and } 9 \\ \hline 84 \quad 70 \text{ and } 14 \end{array}$$


$$45p + 39p = 84p.$$

Your turn!

In your jotter calculate at least 5 addition sums
by...

Picking 2 or more items from your 'shop/café'
that you made yesterday and adding them
together.

Remember, you have already decided how hard
a challenge you want with how you priced your
items yesterday.

Let's reflect on our learning!

Can/Do you now...

...Know different strategies to add money?

...Choose a strategy that works for you?

...Successfully add different amounts of money?

Not achieved the learning intention- I've answered 'no' to all of the above.
Go through the slides again.

Partly achieved the learning intention- I've answered 'yes' to some of the above
Goo job! We'll keep practising.

Achieved the learning intention- I've answered 'yes' to all of the above.
Well done!

