

Coins, 1

You will need lots of 2p, 5p and 10p coins and seven different coloured pencils or felt-tip pens.

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

Tip: Be careful when circling the numbers. Some will end up with five different circles!

- Choose one coloured pencil and circle all the amounts you can make using only 10p coins.
- Choose a different colour and do the same for 5p coins.
- Repeat for 2p coins with a different colour.
- Now investigate the amounts you can make using at least one 10p and one 5p coin, but no others. Circle these amounts using a fourth colour.
- Try with 2p and 10p coins. Circle the amounts using the fifth colour.
- Repeat for 2p and 5p coins. Circle the amounts with the sixth colour.
- Which amounts can you make using at least one 2p, 5p and 10p coin? Circle the amounts in your final colour.

EXTRA!
Which amounts can't you make?
Which amounts can be made in the greatest number of ways?