



1. Using 3 coins or notes each time, how many different amounts can you make?

Show which coins or note you use to make the totals and give each amount in pounds.

Answers can be given in any order but must show the coins used and give the total amount in pounds.

1p + 2p + 5p = 8p = £0.08	1p + 50p + £2 = £2 and 51p = £2.51	2p + 50p + £5 = £5 and 52p = £5.52	10p + 20p + £2 = £2 and 30p = £2.30
1p + 2p + 10p = 13p = £0.13	1p + 50p + £5 = £5 and 51p = £5.51	2p + £1 + £2 = £3 and 2p = £3.02	10p + 20p + £5 = £5 and 30p = £5.30
1p + 2p + 20p = 23p = £0.23	1p + £1 + £2 = £3 and 1p = £3.01	2p + £1 + £5 = £6 and 2p = £6.02	10p + 50p + £1 = £1 and 60p = £1.60
1p + 2p + 50p = 53p = £0.53	1p + £1 + £5 = £6 and 1p = £6.01	2p + £2 + £5 = £7 and 2p = £7.02	10p + 50p + £2 = £2 and 60p = £2.60
1p + 2p + £1 = £1 and 3p = £1.03	1p + £2 + £5 = £7 and 1p = £7.01	5p + 10p + 20p = 35p = £0.35	10p + 50p + £5 = £5 and 60p = £5.60
1p + 2p + £2 = £2 and 3p = £2.03	2p + 5p + 10p = 17p = £0.17	5p + 10p + 50p = 65p = £0.65	10p + £1 + £2 = £3 and 10p = £3.10
1p + 2p + £5 = £5 and 3p = £5.03	2p + 5p + 20p = 27p = £0.27	5p + 10p + £1 = £1 and 15p = £1.15	10p + £1 + £5 = £6 and 10p = £6.10
1p + 5p + 10p = 16p = £1.16	2p + 5p + 50p = 57p = £0.57	5p + 10p + £2 = £2 and 15p = £2.15	10p + £2 + £5 = £7 and 10p = £7.10
1p + 5p + 20p = 26p = £1.26	2p + 5p + £1 = £1 and 7p = £1.07	5p + 10p + £5 = £5 and 15p = £5.15	20p + 50p + £1 = £1 and 70p = £1.70
1p + 5p + 50p = 56p = £0.56	2p + 5p + £2 = £2 and 7p = £2.07	5p + 20p + 50p = 75p = £0.75	20p + 50p + £2 = £2 and 70p = £2.70
1p + 5p + £1 = £1 and 6p = £1.06	2p + 5p + £5 = £5 and 7p = £5.07	5p + 20p + £1 = £1 and 25p = £1.25	20p + 50p + £5 = £5 and 70p = £5.70
1p + 5p + £2 = £2 and 6p = £2.06	2p + 10p + 20p = 32p = £0.32	5p + 20p + £2 = £2 and 25p = £2.25	20p + £1 + £2 = £3 and 20p = £3.20
1p + 5p + £5 = £5 and 6p = £5.06	2p + 10p + 50p = 62p = £0.62	5p + 20p + £5 = £5 and 25p = £5.25	20p + £1 + £5 = £6 and 20p = £6.20
1p + 10p + 20p = 31p = £0.31	2p + 10p + £1 = £1 and 12p = £1.12	5p + 50p + £1 = £1 and 55p = £1.55	20p + £2 + £5 = £7 and 20p = £7.20
1p + 10p + 50p = 61p = £0.61	2p + 10p + £2 = £2 and 12p = £2.12	5p + 50p + £2 = £2 and 55p = £2.55	50p + £1 + £2 = £3 and 50p = £3.50
1p + 10p + £1 = £1 and 11p = £1.11	2p + 10p + £5 = £5 and 12p = £5.12	5p + 50p + £5 = £5 and 55p = £5.55	50p + £1 + £5 = £6 and 50p = £6.50
1p + 10p + £2 = £2 and 11p = £2.11	2p + 20p + 50p = 72p = £0.72	5p + £1 + £2 = £3 and 5p = £3.05	50p + £2 + £5 = £7 and 50p = £7.50
1p + 10p + £5 = £5 and 11p = £5.11	2p + 20p + £1 = £1 and 22p = £1.22	5p + £1 + £5 = £6 and 5p = £6.05	£1 + £2 + £5 = £8
1p + 20p + 50p = 71p = £0.71	2p + 20p + £2 = £2 and 22p = £2.22	5p + £2 + £5 = £7 and 5p = £7.05	
1p + 20p + £1 = £1 and 21p = £1.21	2p + 20p + £5 = £5 and 22p = £5.22	10p + 20p + 50p = 80p = £0.80	
1p + 20p + £2 = £2 and 21p = £2.21	2p + 50p + £1 = £1 and 52p = £1.52	10p + 20p + £1 = £1 and 30p = £1.30	
1p + 20p + £5 = £5 and 21p = £5.21	2p + 50p + £2 = £2 and 52p = £2.52		
1p + 50p + £1 = £1 and 51p = £1.51			

2. When you have found all the possible combinations, put them in order from smallest to largest.

£0.08	£0.53	£0.75	£1.16	£1.55	£2.15	£2.60	£5.03	£5.30	£6.02	£7.10
£0.13	£0.56	£0.80	£1.25	£1.60	£2.21	£2.70	£5.06	£5.51	£6.05	£7.20
£0.17	£0.57	£1.03	£1.26	£1.70	£2.22	£3.01	£5.07	£5.25	£6.10	£7.50
£0.23	£0.61	£1.06	£1.21	£2.03	£2.25	£3.02	£5.11	£5.52	£6.20	£8
£0.27	£0.62	£1.07	£1.22	£2.06	£2.30	£3.05	£5.12	£5.55	£6.50	
£0.31	£0.65	£1.11	£1.30	£2.07	£2.51	£3.10	£5.15	£5.60	£7.01	
£0.32	£0.71	£1.12	£1.51	£2.11	£2.52	£3.20	£5.21	£5.70	£7.02	
£0.35	£0.72	£1.15	£1.52	£2.12	£2.55	£3.50	£5.22	£6.01	£7.05	