

25, 20, 15

45, 40, 35, 30

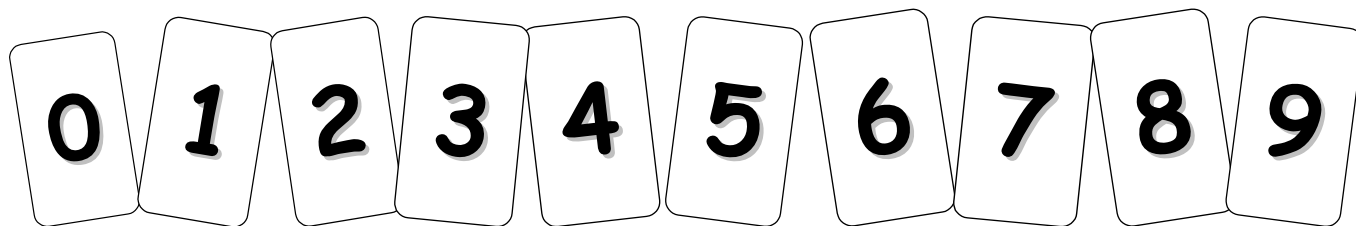
32, 27, 22

28, 23, 18, 13

36, 31, 26, 21

34, 29, 24

Take ten cards numbered 0 to 9.



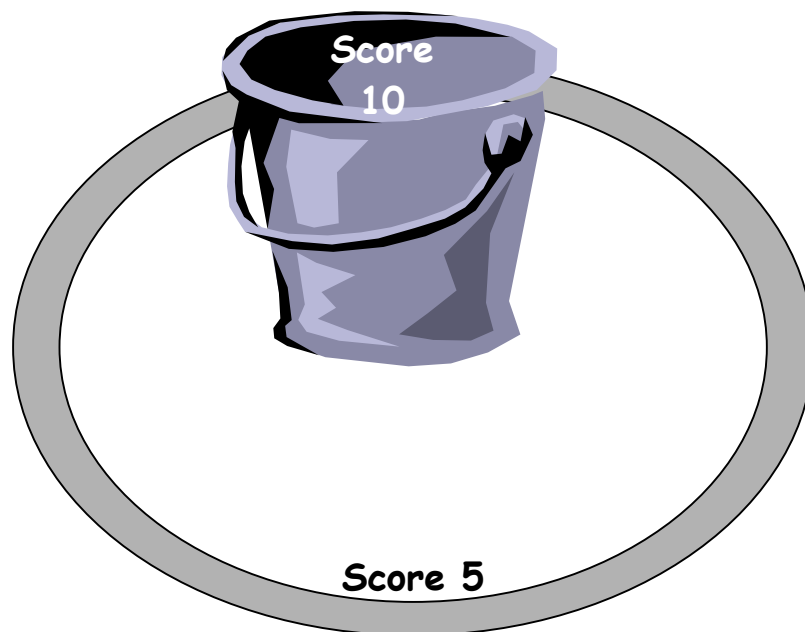
1. Pick three cards with a total of 12.
You can do it in ten different ways.
See if you can record them all.
2. Now pick four cards with a total of 12.
How many ways can you do it?
3. Can you pick five cards with a total of 12?

Taken from *Mathematical challenges for more able pupils in Key Stages 1 and 2*
(NNS Publication)

Fives and Tens

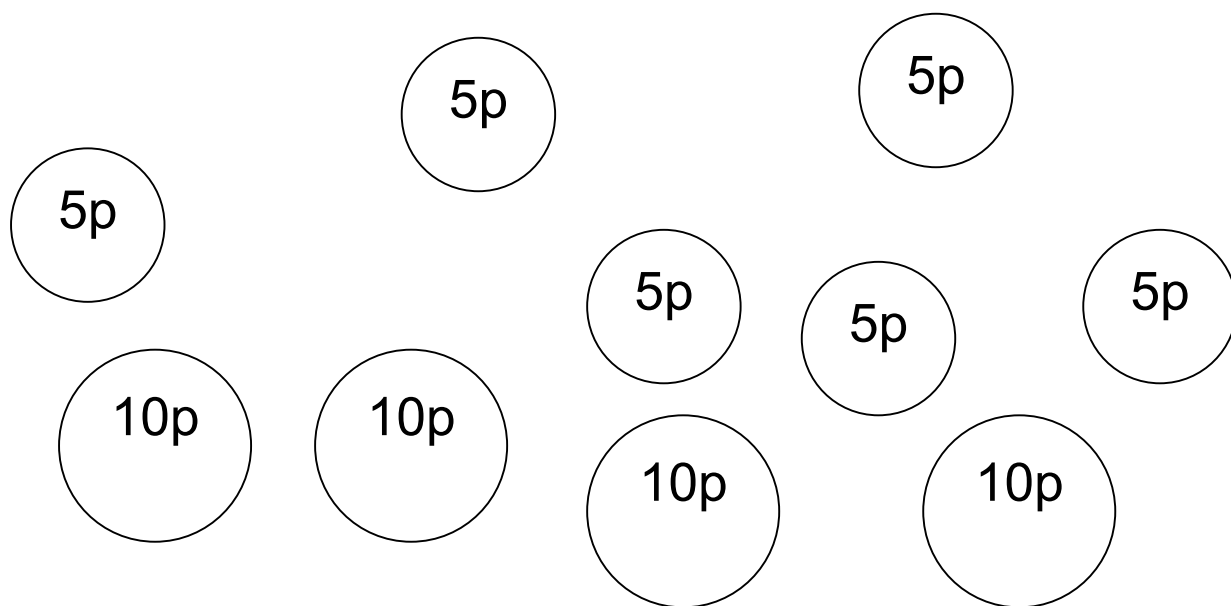
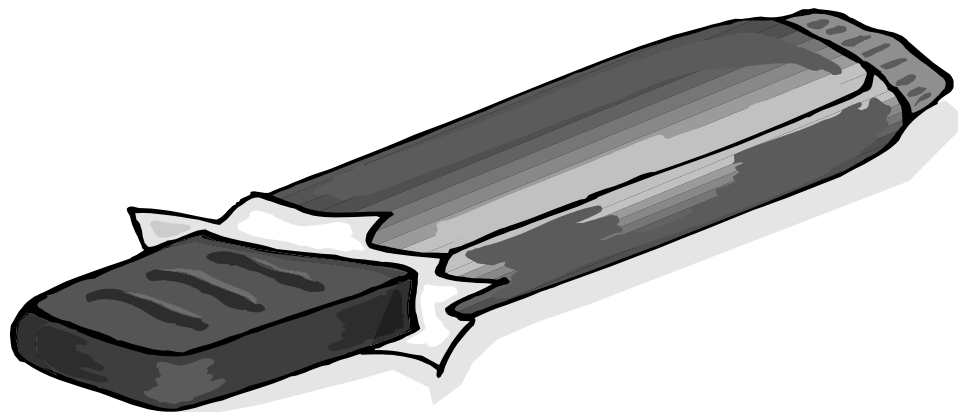
Chris threw four beanbags.

The four beanbags went in the bucket or the hoop.



What are all the possible totals Chris could get with his four beanbags?

Make a list of them. Don't forget to try and work out the answers in order, so that you don't repeat scores or miss any.



Homework

How many ways can you pay for a 25p fruit bar using only 5p coins and 10p coins?

Record the answers. Don't forget to try and work out the answers in order so that you don't repeat or miss answers.

Working

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

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

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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
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81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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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

$$20\text{p} + 30\text{p}$$

$$17 \text{ metres} + 9 \text{ metres}$$

$$58 + 21$$

$$£25 + £20$$

$$9 + 3$$

$$200 + 300$$

$$300 + 200$$

$$3 + 9$$

$$30\text{p} + 20\text{p}$$

$$21 + 58$$

$$9 \text{ metres} + 17 \text{ metres}$$

$$£20 + £25$$