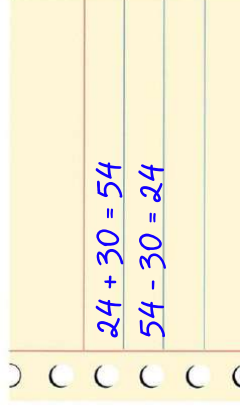


What's the calculation?

Sheet 1

Look at the marks that Spider has made on the 1 - 100 grid. Write down the possible calculations that Spider was working on.



23	24	25
33	34	35
43	44	45
53	54	55

a)

15	16	17
25	26	27
35	36	37

b)

12	13	14
22	23	24
32	33	34
42	43	44

c)

36	37	38
46	47	48
56	57	58
66	67	68

d)

41	42	43
51	52	53
61	62	63
71	72	73

e)

65	66	67
75	76	77
85	76	87
95	96	97

f)

54	55	56
64	65	66
74	75	76

g)

36	37	38
46	47	48
56	57	58
66	67	68
76	77	78

h)

47	48	49
57	58	59
67	68	69
77	78	79
87	88	89
97	98	99

Adding and subtracting 20, 30, 40 and 50

Sheet 2

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
101	102	103	104	105	106	107	108	109	110

1) $36 + 20 =$

7) $99 - 20 =$

2) $57 + 20 =$

8) $83 - 20 =$

3) $41 + 30 =$

9) $58 - 30 =$

4) $64 + 30 =$

10) $60 - 30 =$

5) $38 + 40 =$

11) $87 - 40 =$

6) $42 + 50 =$

12) $73 - 50 =$

Challenge

Start on 9. Add 10, then add 20, then add 30, etc.

Stop when you get over 100.

Start on 4 and do the same.

Predict (without doing it) what you would get if you started on 1.

What number would you have to start on to subtract 10, then 20, then 30, then 40 and end up on 5?

Addition and Subtraction

Answers

Day 1 What's the calculation? Sheet 1

- a) $16 + 20 = 36$
 $36 - 20 = 16$
- b) $13 + 30 = 43$
 $43 - 30 = 13$
- c) $37 + 30 = 67$
 $67 - 30 = 37$
- d) $42 + 30 = 72$
 $72 - 30 = 42$
- e) $66 + 30 = 96$
 $96 - 30 = 66$
- f) $55 + 20 = 75$
 $75 - 20 = 55$
- g) $37 + 40 = 77$
 $77 - 40 = 37$
- h) $48 + 50 = 98$
 $98 - 50 = 48$

Day 1 Adding and subtraction 20, 30, 40 and 50 Sheet 2

- 1) 56 7) 79
2) 77 8) 63
3) 71 9) 28
4) 94 10) 30
5) 78 11) 47
6) 92 12) 23

Challenge

$9 + 10 + 20 + 30 + 40 = 109$
 $4 + 10 + 20 + 30 + 40 = 104$
If you start with 1 you would get 101.
You would need to start on 105 to end up with 5, when subtracting.

Day 2 Add and subtract multiples of 10

Sheet 1

- $36 + 20 = 56$
 $53 + 30 = 83$
 $48 + 20 = 68$
 $62 - 30 = 32$
 $97 - 40 = 57$

Sheet 2

- $72 - 20 = 52$
 $37 + 20 = 57$
- $76 - 20 = 56$
 $45 + 30 = 75$

$$41 + 50 = 91$$

Sheet 3

- a) 53 b) 65 c) 24 d) 47 e) 79
f) 91 g) 52 h) 35 i) 78 j) 36
k) 82 l) 44 m) 79 n) 31
- a) 20 b) 40 c) 20 d) 20 e) 30
f) 50 g) 12 h) 33 i) 77 j) 69