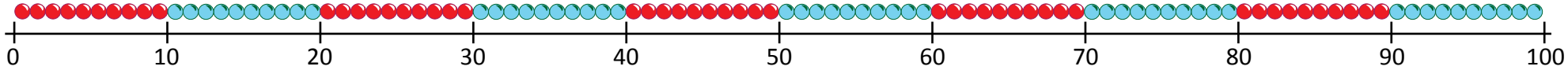
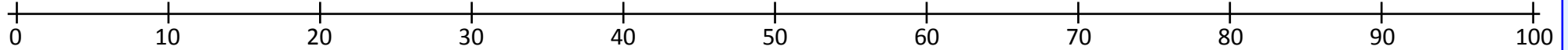


0-100 beaded number line

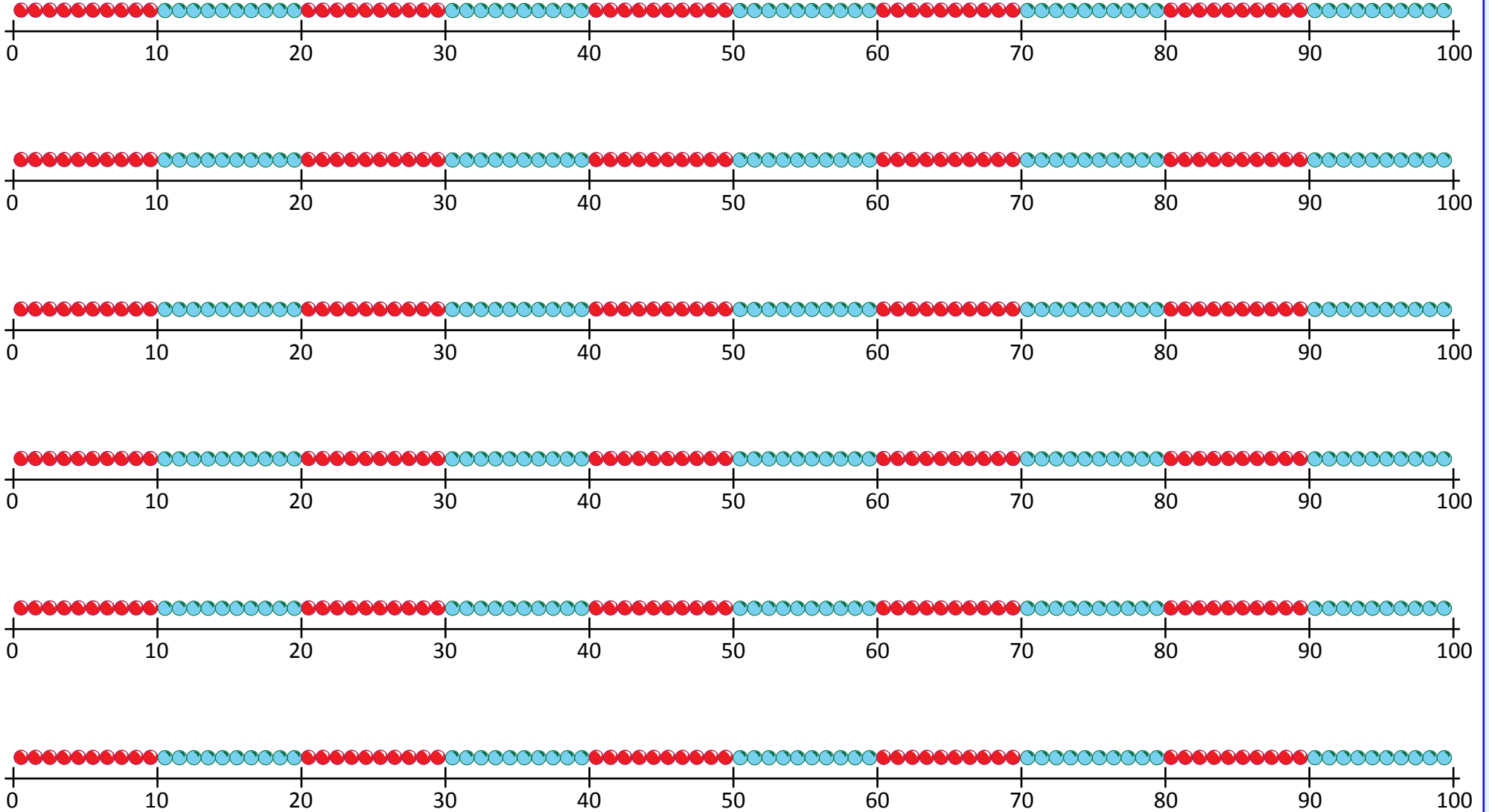


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

0 - 100 landmarked line

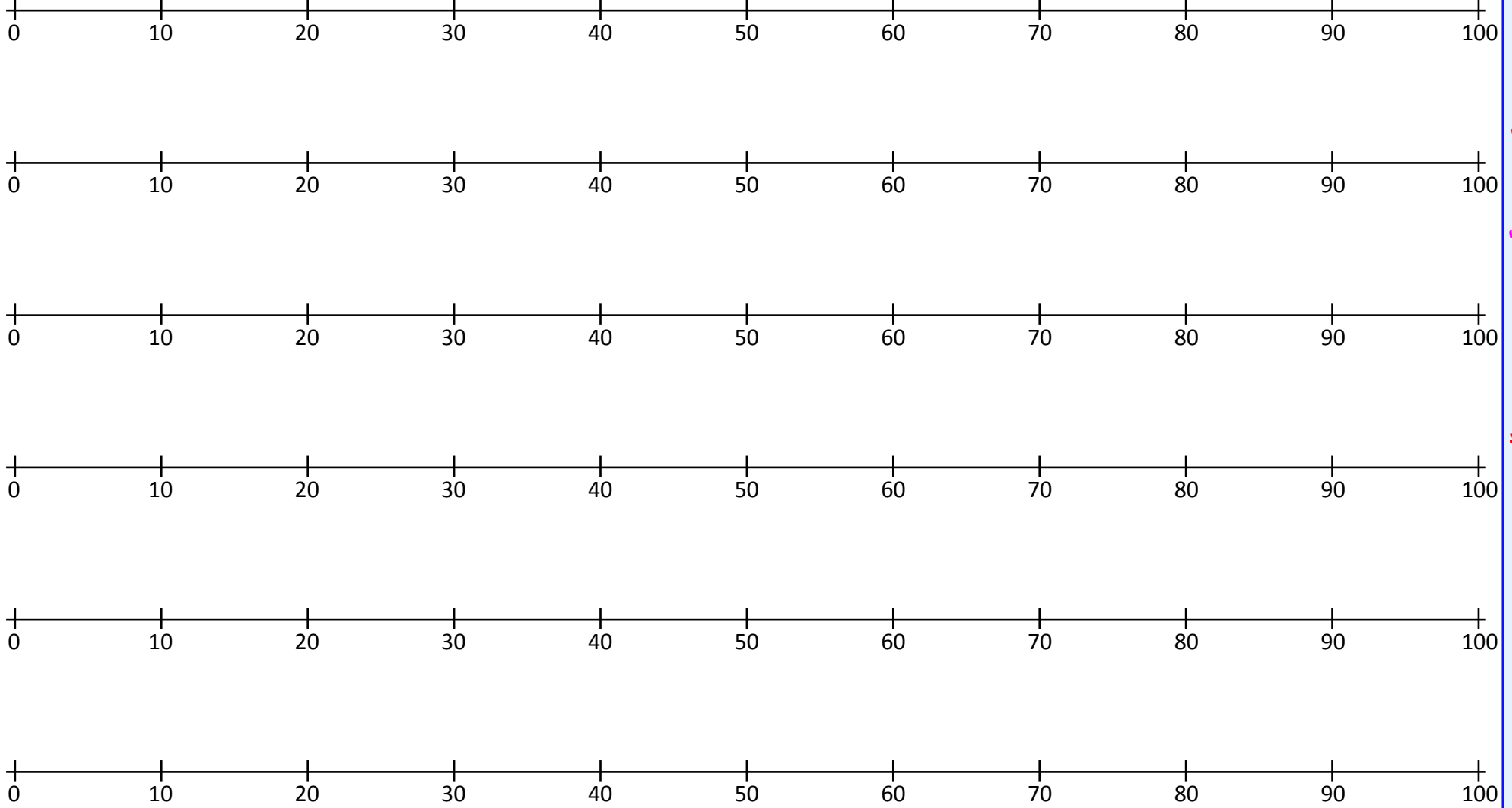


0-100 beaded number lines



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
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82
80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51

0-100 landmarked number lines



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

Adding 1-digit numbers to 3-digit numbers

Section A

$245 + 2 =$

$457 + 2 =$

$184 + 3 =$

$422 + 3 =$

$864 + 5 =$

$663 + 5 =$

Section B

$347 + 5 =$

$236 + 7 =$

$878 + 4 =$

$764 + 9 =$

$385 + 8 =$

$463 + 9 =$

$268 + 6 =$

$948 + 7 =$

Section C

$397 + 5 =$

$296 + 7 =$

$898 + 4 =$

$794 + 9 =$

$395 + 8 =$

$493 + 9 =$

$298 + 6 =$

$992 + 9 =$

Section D

Make up more additions for each section.

Have you spotted what different maths is needed for each?

1-100 number grid

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

Make your own additions

45	57	42	78
29	31	86	64
77	53	49	68
51	82	65	74

2		4	
	3		
5			9
8		7	

Subtracting 1-digit numbers from 3-digit numbers

Section A

$245 - 2 =$

$457 - 2 =$

$184 - 3 =$

$428 - 3 =$

$869 - 5 =$

$666 - 5 =$

Section B

$342 - 5 =$

$233 - 7 =$

$872 - 4 =$

$764 - 9 =$

$385 - 8 =$

$463 - 7 =$

$264 - 6 =$

$942 - 8 =$

$782 - 5 =$

$231 - 7 =$

$163 - 4 =$

$535 - 9 =$

$987 - 8 =$

$333 - 5 =$

$441 - 6 =$

$885 - 7 =$

Section C

Now it's your turn! Make up more subtractions for each section.
Have you spotted what different maths is needed for each section?

Make your own subtractions

45	57	42	78
29	31	86	64
77	53	49	68
51	82	65	74

2	4
	3
5	
	9
8	
	7

Adding and subtracting 10s and 100s

1. $345 + 30$

7. $578 + 400$

2. $287 - 30$

8. $892 - 500$

3. $634 + 40$

9. $350 + 70$

4. $983 - 50$

10. $482 + 40$

5. $432 + 300$

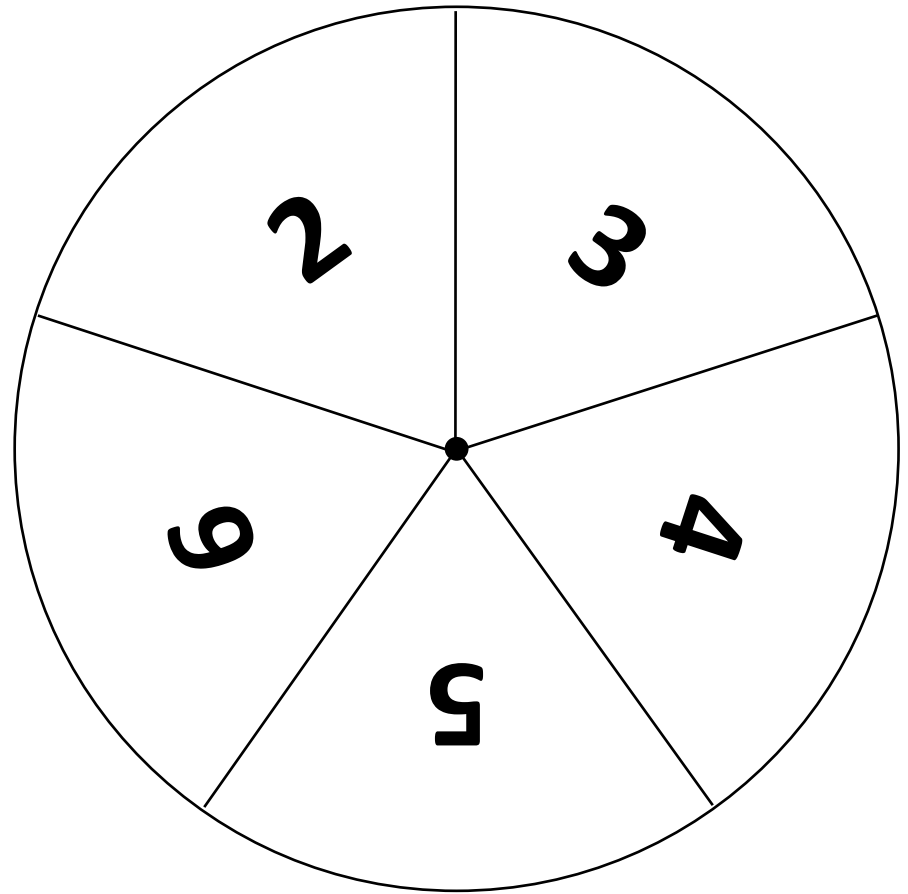
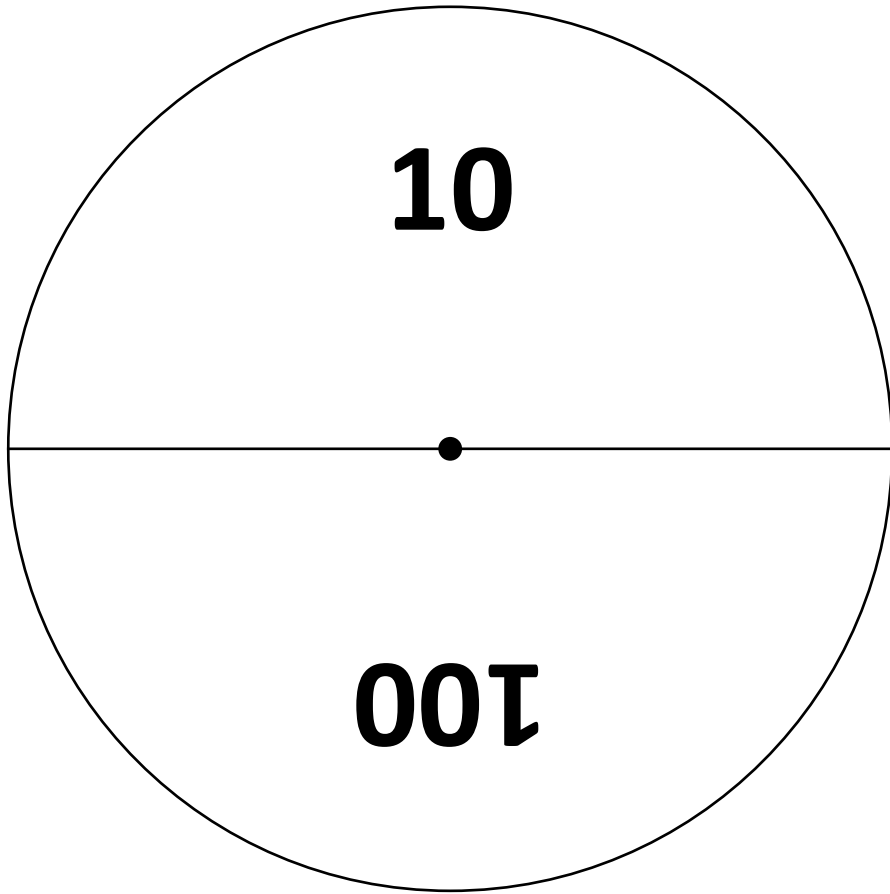
11. $830 - 50$

6. $982 - 200$

12. $724 - 40$

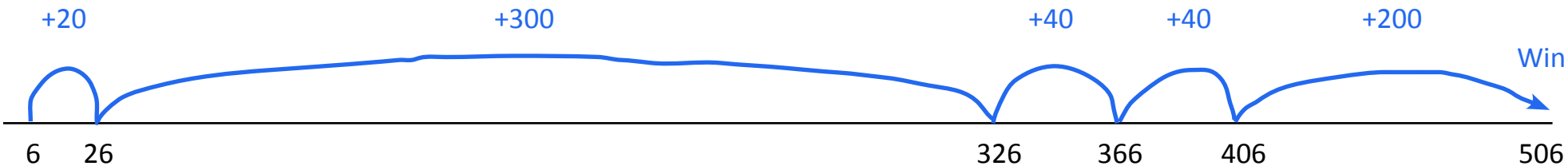
Adding and subtracting multiples of 10 and 100

Use a paper clip and pencil to spin a number on each side.
Multiply them together to generate your multiple of 10 or 100 for the game.

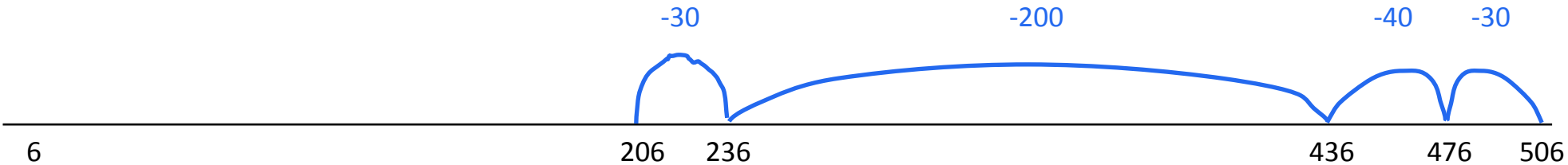


Example of game

A



B



Word Problems

What maths are you doing when you solve these?

- a. Chigwellford United have had a brilliant three years. Before their last match they had scored 487 goals in total. In the last match they scored another 9! What is their total now?
- b. Eve had 306 beads to make a necklace with. She dropped 8. How many were left?
- c. There were 734 people in the audience. 40 more people came in, how many altogether?
- d. In the bee hive were 999 bees. 300 went to collect pollen, how many were left in the hive?

Agree the answers and which maths is being used.

Word Problems Answers

- a. Chigwellford United have had a brilliant three years. Before their last match they had scored 487 goals in total. In the last match they scored another 9! What is their total now?
496 (Adding a 1 digit number to a 3 digit number.)
- b. Eve had 306 beads to make a necklace with. She dropped 8. How many were left?
298 (Subtracting a 1 digit number from a 3 digit number.)
- c. There were 734 people in the audience. 40 more people came in, how many altogether?
774 (Adding a multiple of 10 to a 3 digit number.)
- d. In the bee hive were 999 bees. 300 went to collect pollen, how many were left in the hive?
699 (Subtracting a multiple of 100 from a 3 digit number.)

Sorting calculations

$80 + 5$

$42 + 5$

$76 - 6$

$27 + 3$

$38 - 4$

$38 - 8$

$40 - 5$

$40 + 5$

$23 + 3$

$49 - 6$

$90 + 9$

$65 - 5$

$59 - 4$

$92 + 6$

Number facts

Place value

Addition and Subtraction Word Problems

- a. Chigwellford United have had another brilliant three years. Before their last match they had scored 394 goals in all. In the last match they scored another 8! What is their total now?
- b. Maningham City have had a terrible three years. Before their last match they had let in 398 goals. In the last match they let in another 7. How many altogether?
- c. Eve had 204 beads to make a necklace with. She dropped 8. How many were left?
- d. Layla had 101 sequins to sew onto her dancing dress. She gave 7 to Eve, how many does she have now?
- e. There were 242 people in the audience. 40 more people came in, how many altogether?
- f. There were 472 bees in the hive. If 70 more bees flew in, how many would be in the hive?
- g. In the bee hive were 789 bees. 300 went to collect pollen, how many were left in the hive?
- h. There were 864 people in an audience. 300 left because it was too hot. How many were left?

Can you make up word problems of your own?

Maths Answers - Spring Year 2/3

Week 2:

Adding 1-digit numbers to 3-digit numbers

Section A

$245 + 2 = 247$
 $457 + 2 = 459$
 $184 + 3 = 187$
 $422 + 3 = 425$
 $864 + 5 = 869$
 $663 + 5 = 668$

Section B

$347 + 5 = 352$
 $236 + 7 = 243$
 $878 + 4 = 882$
 $764 + 9 = 773$
 $385 + 8 = 393$
 $463 + 9 = 472$
 $268 + 6 = 274$
 $948 + 7 = 955$

Section C

$397 + 5 = 402$
 $296 + 7 = 303$
 $898 + 4 = 902$
 $794 + 9 = 803$
 $395 + 8 = 403$
 $493 + 9 = 502$
 $298 + 6 = 304$
 $992 + 9 = 1001$

Make your own additions

$45 + 2 = 47$	$57 + 2 = 59$	$42 + 2 = 44$	$78 + 2 = 80$
$45 + 4 = 49$	$57 + 4 = 61$	$42 + 4 = 46$	$78 + 4 = 82$
$45 + 3 = 48$	$57 + 3 = 60$	$42 + 3 = 45$	$78 + 3 = 81$
$45 + 5 = 50$	$57 + 5 = 62$	$42 + 5 = 47$	$78 + 5 = 83$
$45 + 9 = 54$	$57 + 9 = 66$	$42 + 9 = 51$	$78 + 9 = 87$
$45 + 8 = 53$	$57 + 8 = 65$	$42 + 8 = 50$	$78 + 8 = 86$
$45 + 7 = 52$	$57 + 7 = 64$	$42 + 7 = 49$	$78 + 7 = 85$

$29 + 2 = 31$	$31 + 2 = 33$	$86 + 2 = 88$	$64 + 2 = 66$
$29 + 4 = 33$	$31 + 4 = 35$	$86 + 4 = 90$	$64 + 4 = 68$
$29 + 3 = 32$	$31 + 3 = 34$	$86 + 3 = 89$	$64 + 3 = 67$
$29 + 5 = 34$	$31 + 5 = 36$	$86 + 5 = 91$	$64 + 5 = 69$
$29 + 9 = 38$	$31 + 9 = 40$	$86 + 9 = 95$	$64 + 9 = 73$
$29 + 8 = 37$	$31 + 8 = 39$	$86 + 8 = 94$	$64 + 8 = 72$
$29 + 7 = 36$	$31 + 7 = 38$	$86 + 7 = 93$	$64 + 7 = 71$

$77 + 2 = 79$	$53 + 2 = 55$	$49 + 2 = 51$	$68 + 2 = 70$
$77 + 4 = 81$	$53 + 4 = 57$	$49 + 4 = 53$	$68 + 4 = 72$
$77 + 3 = 80$	$53 + 3 = 56$	$49 + 3 = 52$	$68 + 3 = 71$
$77 + 5 = 82$	$53 + 5 = 58$	$49 + 5 = 54$	$68 + 5 = 73$
$77 + 9 = 86$	$53 + 9 = 62$	$49 + 9 = 58$	$68 + 9 = 77$
$77 + 8 = 85$	$53 + 8 = 61$	$49 + 8 = 57$	$68 + 8 = 76$
$77 + 7 = 84$	$53 + 7 = 60$	$49 + 7 = 56$	$68 + 7 = 75$

$51 + 2 = 53$	$82 + 2 = 84$	$65 + 2 = 67$	$74 + 2 = 76$
$51 + 4 = 55$	$82 + 4 = 86$	$65 + 4 = 69$	$74 + 4 = 78$
$51 + 3 = 54$	$82 + 3 = 85$	$65 + 3 = 68$	$74 + 3 = 77$
$51 + 5 = 56$	$82 + 5 = 87$	$65 + 5 = 70$	$74 + 5 = 79$
$51 + 9 = 60$	$82 + 9 = 91$	$65 + 9 = 74$	$74 + 9 = 83$
$51 + 8 = 59$	$82 + 8 = 90$	$65 + 8 = 73$	$74 + 8 = 82$
$51 + 7 = 58$	$82 + 7 = 89$	$65 + 7 = 72$	$74 + 7 = 81$

Subtracting 1-digit numbers from 3-digit numbers

Section A

$245 - 2 = 243$

$457 - 2 = 455$

$184 - 3 = 181$

$428 - 3 = 425$

$869 - 5 = 864$

$666 - 5 = 661$

Section B

$342 - 5 = 337$

$233 - 7 = 226$

$872 - 4 = 868$

$764 - 9 = 755$

$385 - 8 = 377$

$463 - 7 = 456$

$264 - 6 = 258$

$942 - 8 = 934$

$782 - 5 = 777$

$231 - 7 = 224$

$163 - 4 = 159$

$535 - 9 = 526$

$987 - 8 = 979$

$333 - 5 = 328$

$441 - 6 = 435$

$885 - 7 = 878$

Make your own subtractions

$45 - 2 = 43$

$45 - 4 = 41$

$45 - 3 = 42$

$45 - 5 = 40$

$45 - 9 = 36$

$45 - 8 = 37$

$45 - 7 = 38$

$57 - 2 = 55$

$57 - 4 = 53$

$57 - 3 = 54$

$57 - 5 = 52$

$57 - 9 = 48$

$57 - 8 = 49$

$57 - 7 = 50$

$42 - 2 = 40$

$42 - 4 = 38$

$42 - 3 = 39$

$42 - 5 = 37$

$42 - 9 = 33$

$42 - 8 = 34$

$42 - 7 = 35$

$78 - 2 = 76$

$78 - 4 = 74$

$78 - 3 = 75$

$78 - 5 = 73$

$78 - 9 = 69$

$78 - 8 = 70$

$78 - 7 = 71$

$29 - 2 = 27$

$29 - 4 = 25$

$29 - 3 = 26$

$29 - 5 = 24$

$29 - 9 = 20$

$29 - 8 = 21$

$29 - 7 = 22$

$31 - 2 = 29$

$31 - 4 = 27$

$31 - 3 = 28$

$31 - 5 = 26$

$31 - 9 = 22$

$31 - 8 = 23$

$31 - 7 = 24$

$86 - 2 = 84$

$86 - 4 = 82$

$86 - 3 = 83$

$86 - 5 = 81$

$86 - 9 = 77$

$86 - 8 = 78$

$86 - 7 = 79$

$64 - 2 = 62$

$64 - 4 = 60$

$64 - 3 = 61$

$64 - 5 = 59$

$64 - 9 = 55$

$64 - 8 = 56$

$64 - 7 = 57$

$77 - 2 = 75$

$77 - 4 = 73$

$77 - 3 = 74$

$77 - 5 = 72$

$77 - 9 = 68$

$77 - 8 = 69$

$77 - 7 = 70$

$53 - 2 = 51$

$53 - 4 = 49$

$53 - 3 = 50$

$53 - 5 = 48$

$53 - 9 = 44$

$53 - 8 = 45$

$53 - 7 = 46$

$49 - 2 = 47$

$49 - 4 = 45$

$49 - 3 = 46$

$49 - 5 = 44$

$49 - 9 = 40$

$49 - 8 = 41$

$49 - 7 = 42$

$68 - 2 = 66$

$68 - 4 = 64$

$68 - 3 = 65$

$68 - 5 = 63$

$68 - 9 = 59$

$68 - 8 = 60$

$68 - 7 = 61$

$51 - 2 = 49$

$51 - 4 = 47$

$51 - 3 = 48$

$51 - 5 = 46$

$51 - 9 = 42$

$51 - 8 = 43$

$51 - 7 = 44$

$82 - 2 = 80$

$82 - 4 = 78$

$82 - 3 = 79$

$82 - 5 = 77$

$82 - 9 = 73$

$82 - 8 = 74$

$82 - 7 = 75$

$65 - 2 = 63$

$65 - 4 = 61$

$65 - 3 = 62$

$65 - 5 = 60$

$65 - 9 = 56$

$65 - 8 = 57$

$65 - 7 = 58$

$74 - 2 = 72$

$74 - 4 = 70$

$74 - 3 = 71$

$74 - 5 = 69$

$74 - 9 = 65$

$74 - 8 = 66$

$74 - 7 = 67$

Adding and subtracting 10s and 100s

- | | |
|-------------------------------|-------------------------------|
| 1. $345 + 30 = \mathbf{375}$ | 7. $578 + 400 = \mathbf{978}$ |
| 2. $287 - 30 = \mathbf{257}$ | 8. $892 - 500 = \mathbf{392}$ |
| 3. $634 + 40 = \mathbf{674}$ | 9. $350 + 70 = \mathbf{420}$ |
| 4. $983 - 50 = \mathbf{933}$ | 10. $482 + 40 = \mathbf{522}$ |
| 5. $432 + 300 = \mathbf{732}$ | 11. $830 - 50 = \mathbf{480}$ |
| 6. $982 - 200 = \mathbf{962}$ | 12. $724 - 40 = \mathbf{684}$ |

Sorting calculations

- | | | |
|------------------------|------------------------|------------------------|
| $80 + 5 = \mathbf{85}$ | $42 + 5 = \mathbf{47}$ | $76 - 6 = \mathbf{70}$ |
| $27 + 3 = \mathbf{30}$ | $38 - 4 = \mathbf{34}$ | $38 - 8 = \mathbf{30}$ |
| $40 - 5 = \mathbf{35}$ | $40 + 5 = \mathbf{45}$ | $23 + 3 = \mathbf{26}$ |
| $49 - 6 = \mathbf{43}$ | $90 + 9 = \mathbf{99}$ | $65 - 5 = \mathbf{60}$ |
| $59 - 4 = \mathbf{55}$ | $92 + 6 = \mathbf{98}$ | |

Addition and Subtraction Word Problems

- a. **402**
- b. **405**
- c. **196**
- d. **94**
- e. **282**
- f. **542**
- g. **489**
- h. **564**