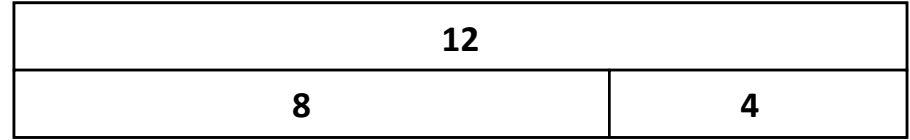
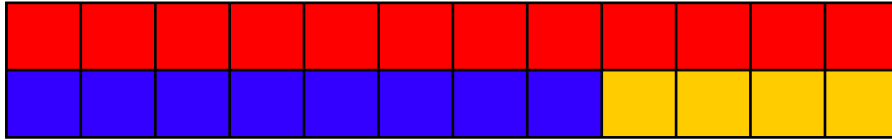


Pairs to 12



Pairs to 12

12	
11	1

12	
10	2

12	
9	3

12	
6	6

2-digit + 2-digit grid with missing totals

+	48	80
24		
57		

Adding two 2-digit numbers

+	25	40
20		
32		

+	35	45
22		
53		

+	28	58
23		
32		

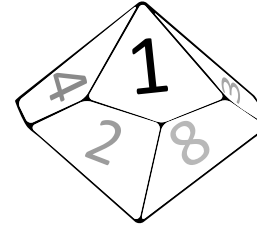
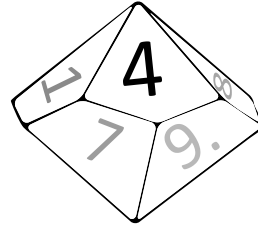
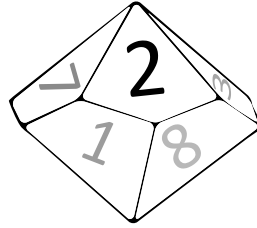
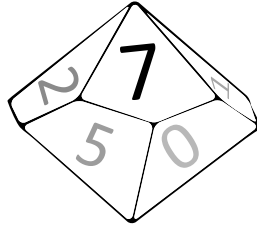
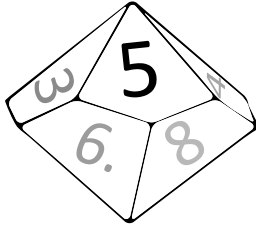
+	75	46
27		
31		

+	70	85
36		
24		

+	89	96
27		
39		

Adding 3-digit and 2-digit numbers

Roll a 1-9 dice 5 times to give 5 digits.



Arrange these digits in to 3-digit + 2-digit additions which give you totals which are:

The biggest number possible

An odd number

An even number

The smallest number possible

A number with at least 1 digit repeated 2 times

Adding 1-digit to 2-digit numbers

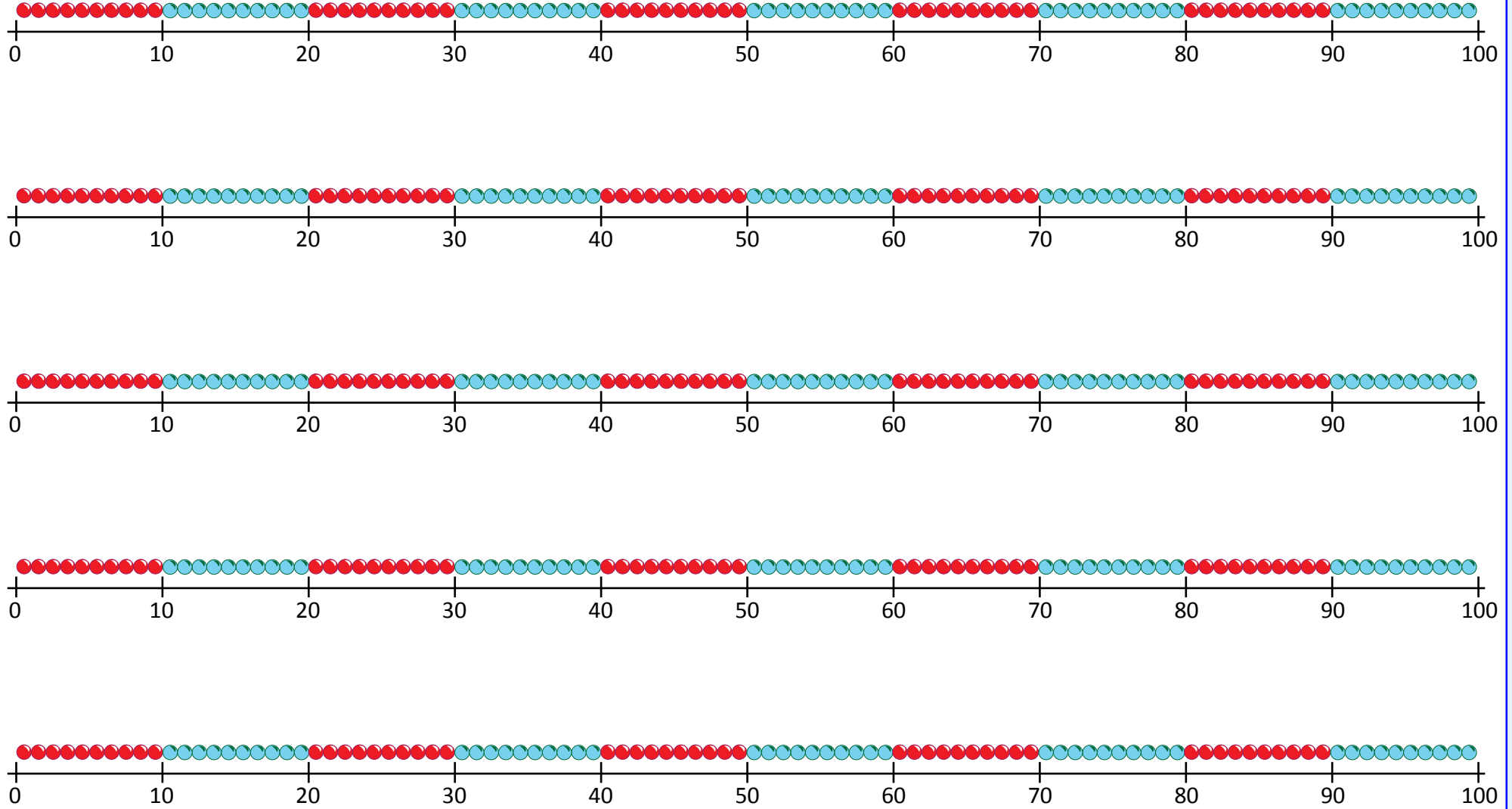
Part A

1. $21 + 9$
2. $45 + 5$
3. $73 + 7$
4. $14 + 6$
5. $68 + 2$
6. $33 + 5$
7. $25 + 3$
8. $62 + 4$
9. $83 + 3$
10. $21 + 7$
11. $47 + 2$
12. $13 + 6$
13. $114 + 6$
14. $123 + 5$
15. $154 + 3$
16. $194 + 5$

Part B

1. $39 + 5$
2. $28 + 4$
3. $36 + 6$
4. $45 + 7$
5. $78 + 8$
6. $33 + 9$
7. $27 + 5$
8. $18 + 6$
9. $12 + 9$
10. $46 + 8$
11. $87 + 4$
12. $34 + 8$
13. $128 + 4$
14. $144 + 6$
15. $119 + 6$
16. $175 + 6$

0 - 100 beaded 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
81 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

Counting up to subtract

Sketch number lines to help Maths Frog find these differences:

$30 - 18 =$

$70 - 55 =$

$40 - 27 =$

$85 - 79 =$

$53 - 45 =$

$92 - 78 =$

$63 - 46 =$

$95 - 59 =$



Counting up to subtract

Sketch number lines to help Maths Frog find these differences:

$33 - 18 =$

$72 - 55 =$

$53 - 27 =$

$65 - 36 =$

$81 - 45 =$

$74 - 39 =$

$95 - 76 =$

$67 - 38 =$



Addition and subtraction facts for pairs to 20

20	
17	3

20	
15	5

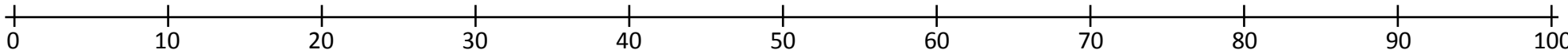
20	
9	11

20	
16	4

20	
8	12

20	
13	7

0 - 100 Landmarked 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

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

31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

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

Counting up to subtract from 100

100	
79	

$100 - 79 = \square$

100	
92	

$100 - 92 = \square$

100	
68	

$100 - 68 = \square$

100	
85	

$100 - 85 = \square$

100	
56	

$100 - 56 = \square$

100	
47	

$100 - 47 = \square$

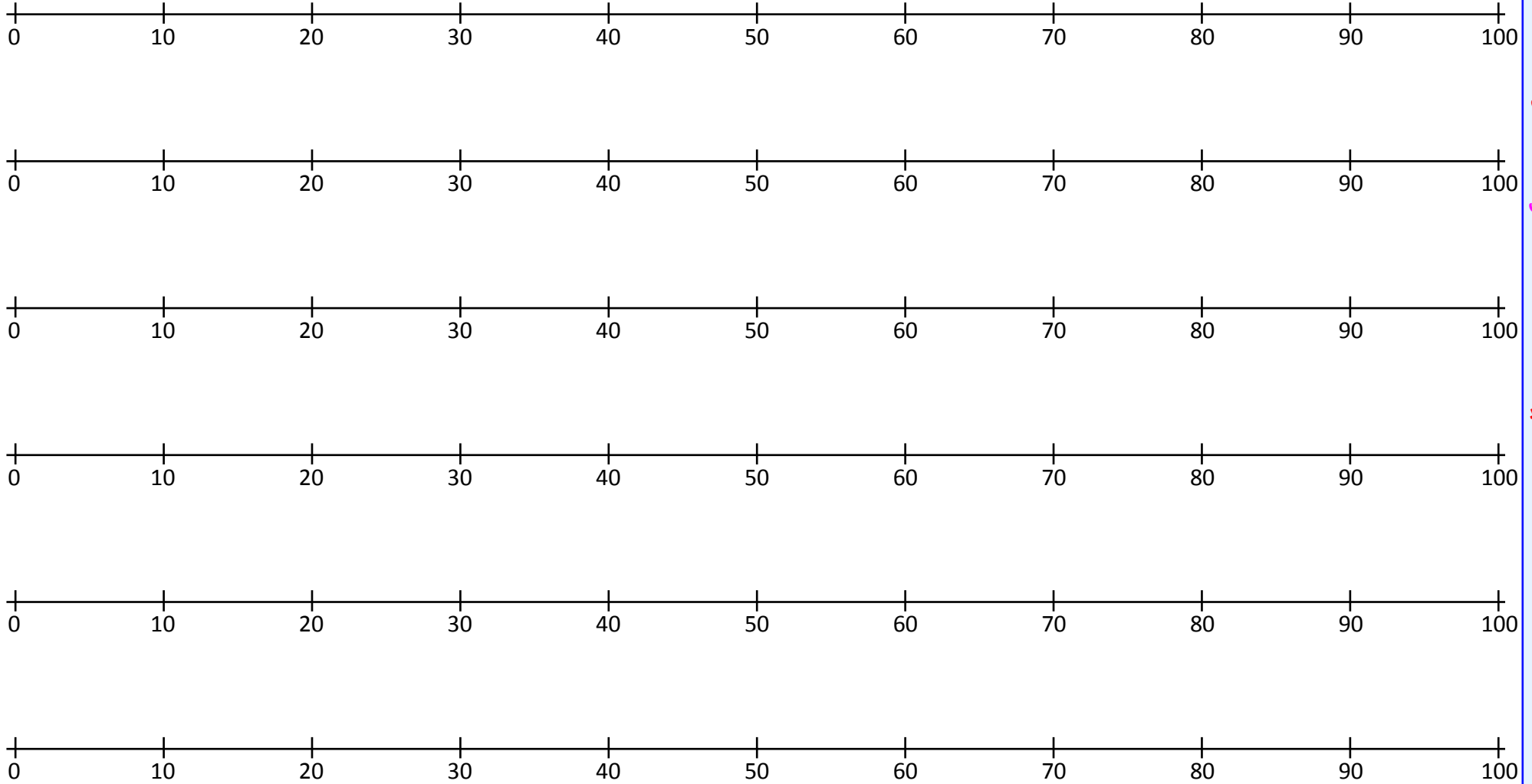
100	
73	

$100 - 73 = \square$

100	
36	

$100 - 36 = \square$

0 - 100 Landmarked lines



Subtracting 1-digit from 2-digit numbers

Part A

1. $88 - 8$

2. $75 - 5$

3. $62 - 2$

4. $78 - 5$

5. $45 - 2$

6. $48 - 6$

7. $69 - 6$

8. $76 - 4$

9. $55 - 3$

10. $39 - 5$

11. $15 - 4$

12. $46 - 5$

13. $117 - 5$

14. $146 - 4$

15. $187 - 3$

16. $135 - 2$

Part B

1. $21 - 9$

2. $45 - 6$

3. $73 - 7$

4. $14 - 6$

5. $61 - 2$

6. $33 - 5$

7. $25 - 8$

8. $62 - 4$

9. $83 - 7$

10. $21 - 7$

11. $42 - 7$

12. $13 - 6$

13. $142 - 6$

14. $161 - 4$

15. $115 - 8$

16. $133 - 5$

Splitting the 7 to subtract

$$41 - 7$$

$$42 - 7$$

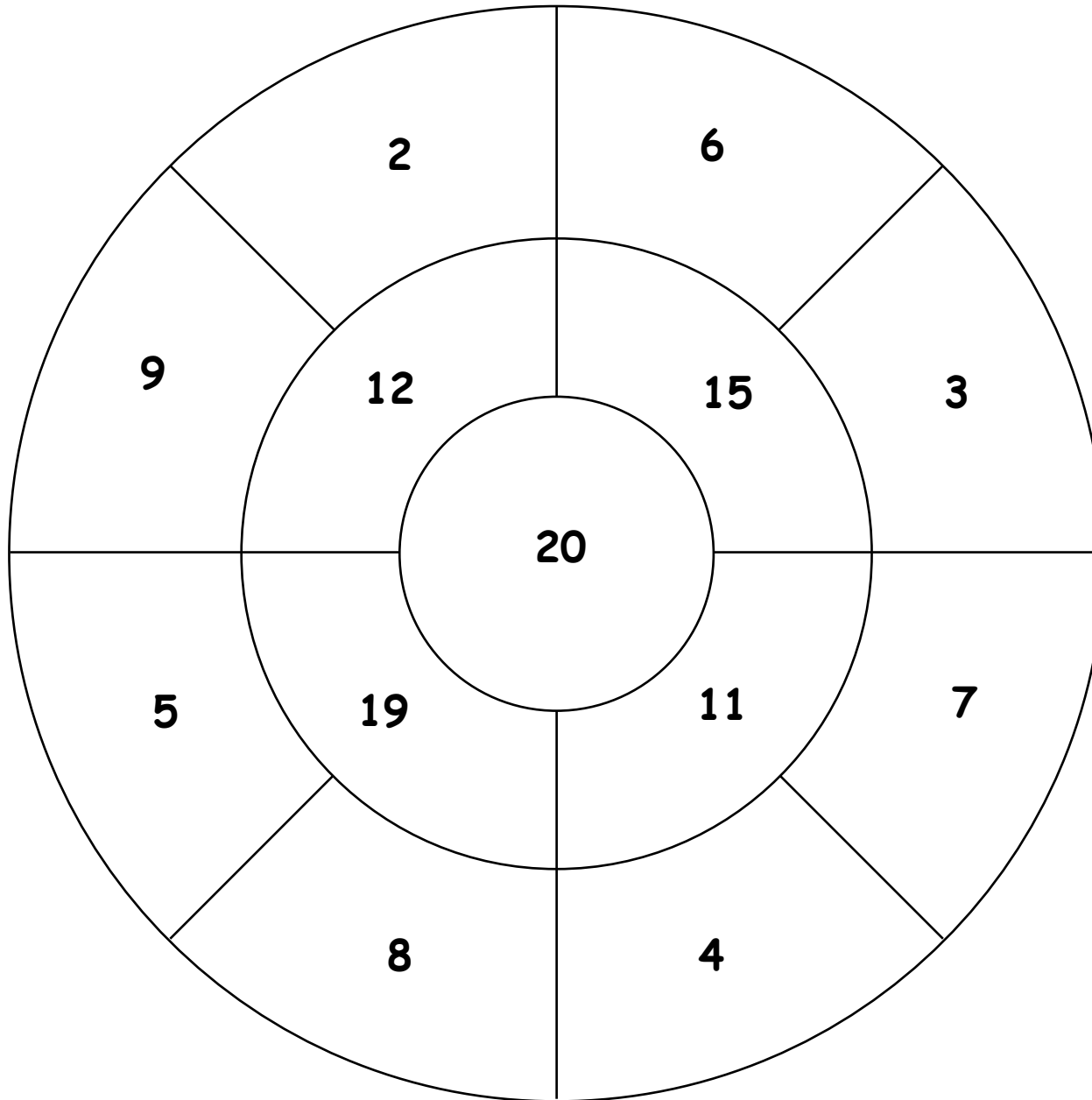
$$43 - 7$$

$$44 - 7$$

$$45 - 7$$

$$46 - 7$$

Tiddlywinks



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 81
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

Counting up or back to subtract

Work with a partner to find the answer using Frog (counting up) and counting back in 10s and 1s. Each time talk with your partner about which strategy was easier.



	Answer with Frog	Answer with Counting back ←	We prefer
123 - 42			
123 - 89			
142 - 78			
111 - 41			
126 - 88			
126 - 57			
123 - 31			
109 - 64			
162 - 91			
113 - 91			

Maths Answers Autumn Year 3/4

Week 2:

2-digit + 2-digit grid with missing totals

+	48	80
24	72	104
57	105	137

Adding two 2-digit numbers

+	25	40
20	45	60
32	57	72

+	35	45
22	57	67
53	88	98

+	28	58
23	51	81
32	60	90

+	75	46
27	102	73
31	106	77

+	70	85
36	106	121
24	94	109

+	89	96
27	116	123
39	128	135

Adding 3-digit and 2-digit numbers

Using the example numbers given:-

The biggest number possible: $742 + 51 = \mathbf{793}$

An odd number, e.g. $524 + 17 = \mathbf{541}$

An even number, e.g. $754 + 12 = \mathbf{766}$

The smallest number possible: $147 + 25 = \mathbf{172}$

A number with at least 1 digit repeated 2 times, e.g. $157 + 42 = \mathbf{199}$

Adding 1-digit to 2-digit numbers

Part A

$$\begin{array}{l} 21 + 9 = \mathbf{30} \\ 45 + 5 = \mathbf{50} \\ 73 + 7 = \mathbf{80} \\ 14 + 6 = \mathbf{20} \\ 68 + 2 = \mathbf{70} \\ 33 + 5 = \mathbf{38} \\ 25 + 3 = \mathbf{28} \\ 62 + 4 = \mathbf{66} \end{array} \quad \begin{array}{l} 83 + 3 = \mathbf{86} \\ 21 + 7 = \mathbf{28} \\ 47 + 2 = \mathbf{49} \\ 13 + 6 = \mathbf{19} \\ 114 + 6 = \mathbf{120} \\ 123 + 5 = \mathbf{128} \\ 154 + 3 = \mathbf{157} \\ 194 + 5 = \mathbf{199} \end{array}$$

Part B

$$\begin{array}{l} 39 + 5 = \mathbf{44} \\ 28 + 4 = \mathbf{32} \\ 36 + 6 = \mathbf{42} \\ 45 + 7 = \mathbf{52} \\ 78 + 8 = \mathbf{86} \\ 33 + 9 = \mathbf{42} \\ 27 + 5 = \mathbf{32} \\ 18 + 6 = \mathbf{24} \end{array} \quad \begin{array}{l} 12 + 9 = \mathbf{21} \\ 46 + 8 = \mathbf{54} \\ 87 + 4 = \mathbf{91} \\ 34 + 8 = \mathbf{42} \\ 128 + 4 = \mathbf{132} \\ 144 + 6 = \mathbf{150} \\ 119 + 6 = \mathbf{125} \\ 175 + 6 = \mathbf{181} \end{array}$$

Counting up to subtract (E)

$$\begin{array}{l} 30 - 18 = \mathbf{12} \\ 70 - 55 = \mathbf{15} \\ 40 - 27 = \mathbf{13} \\ 85 - 79 = \mathbf{6} \\ 53 - 45 = \mathbf{8} \\ 92 - 78 = \mathbf{14} \\ 63 - 46 = \mathbf{17} \\ 95 - 59 = \mathbf{36} \end{array}$$

Counting up to subtract (MH)

$$\begin{array}{l} 33 - 18 = \mathbf{15} \\ 72 - 55 = \mathbf{17} \\ 53 - 27 = \mathbf{26} \\ 65 - 36 = \mathbf{29} \\ 81 - 45 = \mathbf{36} \\ 74 - 39 = \mathbf{35} \\ 95 - 76 = \mathbf{19} \\ 67 - 38 = \mathbf{29} \end{array}$$

Subtracting 1-digit from 2-digit numbers

Part A

$$\begin{array}{l} 88 - 8 = \mathbf{80} \\ 75 - 5 = \mathbf{70} \\ 62 - 2 = \mathbf{60} \\ 78 - 5 = \mathbf{73} \\ 45 - 2 = \mathbf{43} \\ 48 - 6 = \mathbf{42} \\ 69 - 6 = \mathbf{63} \\ 76 - 4 = \mathbf{72} \end{array} \quad \begin{array}{l} 55 - 3 = \mathbf{52} \\ 39 - 5 = \mathbf{34} \\ 15 - 4 = \mathbf{11} \\ 46 - 5 = \mathbf{41} \\ 117 - 5 = \mathbf{112} \\ 146 - 4 = \mathbf{142} \\ 187 - 3 = \mathbf{184} \\ 135 - 2 = \mathbf{133} \end{array}$$

Part B

$$\begin{array}{l} 21 - 9 = \mathbf{12} \\ 45 - 6 = \mathbf{39} \\ 73 - 7 = \mathbf{66} \\ 14 - 6 = \mathbf{8} \\ 61 - 2 = \mathbf{59} \\ 33 - 5 = \mathbf{28} \\ 25 - 8 = \mathbf{17} \\ 62 - 4 = \mathbf{58} \end{array} \quad \begin{array}{l} 83 - 7 = \mathbf{76} \\ 21 - 7 = \mathbf{14} \\ 42 - 7 = \mathbf{35} \\ 13 - 6 = \mathbf{7} \\ 142 - 6 = \mathbf{136} \\ 161 - 4 = \mathbf{157} \\ 115 - 8 = \mathbf{107} \\ 133 - 5 = \mathbf{128} \end{array}$$

Counting up to subtract from 100

$100 - 79 = \mathbf{21}$

$100 - 68 = \mathbf{32}$

$100 - 56 = \mathbf{44}$

$100 - 73 = \mathbf{27}$

$100 - 92 = \mathbf{8}$

$100 - 85 = \mathbf{15}$

$100 - 47 = \mathbf{53}$

$100 - 36 = \mathbf{64}$

Splitting the 7 to subtract

$41 - 7 = \mathbf{34}$

$42 - 7 = \mathbf{35}$

$43 - 7 = \mathbf{36}$

$44 - 7 = \mathbf{37}$

$45 - 7 = \mathbf{38}$

$46 - 7 = \mathbf{39}$

Counting up or back to subtract

$123 - 42 = \mathbf{81}$

$123 - 89 = \mathbf{34}$

$142 - 78 = \mathbf{64}$

$111 - 41 = \mathbf{70}$

$126 - 88 = \mathbf{38}$

$126 - 57 = \mathbf{69}$

$123 - 31 = \mathbf{92}$

$109 - 64 = \mathbf{45}$

$162 - 91 = \mathbf{71}$

$113 - 91 = \mathbf{22}$