



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

Grade 3 Mathematics Mental Starters Assessment Project (MSAP)

Mental Starters: Tasks and Assessments

PRINT MASTERS: ENGLISH



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Acknowledgements:

Our thanks to the broader team who grappled with the author team to conceptualise these:

Lawan Abdulhamid, Noluntu Baart, Mark Chetty, Busi Goba, Corin Mathews, Zanele Mofu, Debbie Stott, Thulelah Takane, Herman Tshesane, Lyn Webb, Marie Weitz, Lise Westaway, Bob Wright.

Our thanks to the DBE and FRF for their support of this work.

This project was initiated and led by the two South African Numeracy Chairs, Professors Hamsa Venkat and Mellony Graven, at the University of the Witwatersrand and Rhodes University. It is based on research supported by the South African Research Chairs Initiative of the Department of Science and Technology and National Research Foundation (Grant Nos. 74658 and 74703). Any opinion, finding and conclusion or recommendation expressed in this material is that of the author(s) and the NRF does not accept any liability in this regard.



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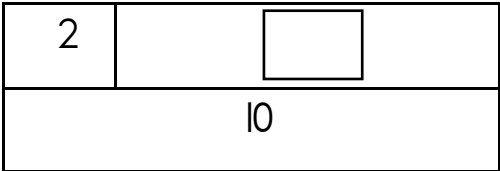
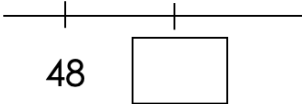
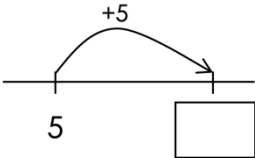
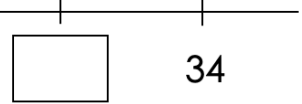
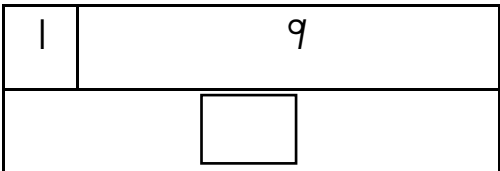
PRINT MASTERS: PRE-TESTS & POST-TESTS

Name: _____

Bridging Through Ten: Pre-Test

PART I

2 minutes for this page

1. $7 + 3 = \square$	11. $50 + 6 = \square$
2. $2 + 8 = \square$	12. $3 + 60 = \square$
3. $10 = 7 + \square$	13. $40 - 7 = \square$
4. 8 less than 10 is \square	14. $40 + 8 = \square$
5. 	15. What is the next multiple of 10? 
6. 	16. $100 + 27 = \square$
7. $10 - 5 = \square$	17. What is the multiple of 10 before 34? 
8. $10 - 4 = \square$	18. $\square + 7 = 50$
9. 	19. $30 - \square = 27$
10. $\square + 10 = 10$	20. $87 = 80 + \square$

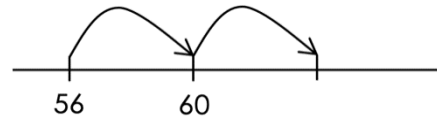
Total out of 20

Bridging Through Ten: Pre-Test

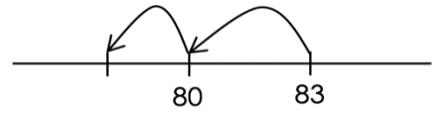
PART 2

3 minutes for this page

1. $56 + 8 = \square$



2. $83 - 4 = \square$



3. $93 - 7 = \square$

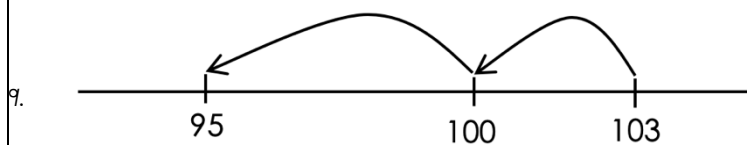
4. $67 + \square = 73$

5. $\square + 7 = 82$

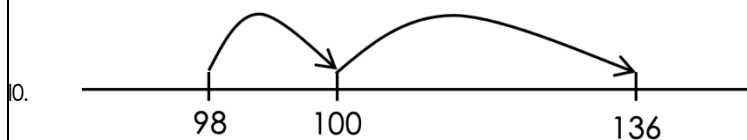
6. $67 + 5 = 67 + 3 + \square$

7. $94 - \square = 94 - 4 - 2$

8. $98 + 56 = 98 + 2 + \square$



$103 - \square = 95$



$98 + \square = 136$

Total out of 10

Name: _____

Bridging Through Ten: Post-Test

PART I

2 minutes for this page

1. $6 + 4 = \square$

11. $50 + 7 = \square$

2. $2 + 8 = \square$

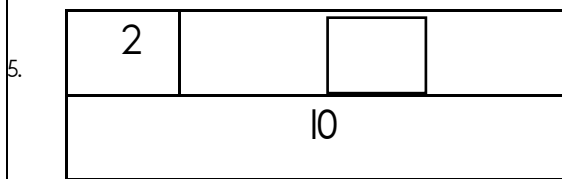
12. $3 + 60 = \square$

3. $10 = 7 + \square$

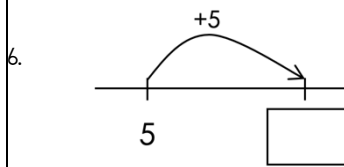
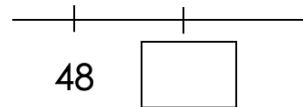
13. $40 - 7 = \square$

4. 8 less than 10 is \square

14. $40 + 8 = \square$



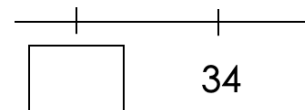
15. What is the next multiple of 10?



16. $100 + 27 = \square$

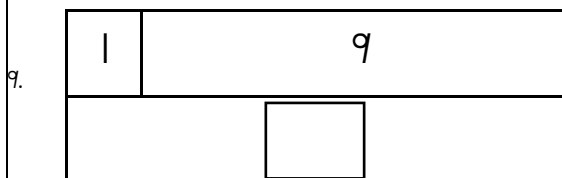
7. $10 - 5 = \square$

17. What is the multiple of 10 before 34?



8. $10 - 3 = \square$

18. $\square + 8 = 50$



19. $30 - \square = 27$

10. $\square + 10 = 10$

20. $87 = 80 + \square$

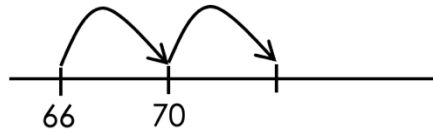
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Bridging Through Ten: Post-Test

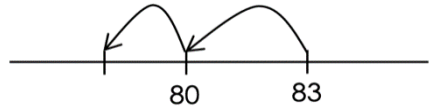
PART 2

3 minutes for this page

1. $66 + 8 = \square$



2. $83 - 5 = \square$



3. $93 - 7 = \square$

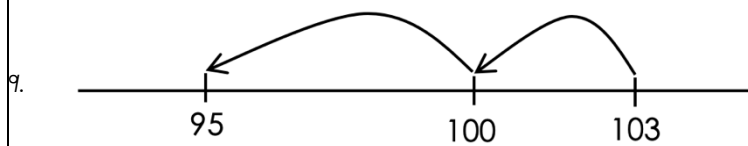
4. $67 + \square = 73$

5. $\square + 7 = 82$

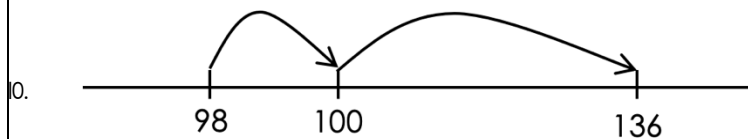
6. $67 + 5 = 67 + 3 + \square$

7. $94 - \square = 94 - 4 - 2$

8. $98 + 56 = 98 + 2 + \square$



$103 - \square = 95$



$98 + \square = 136$

Total out of 10

Name: _____

Jump Strategies: Pre-Test

PART I

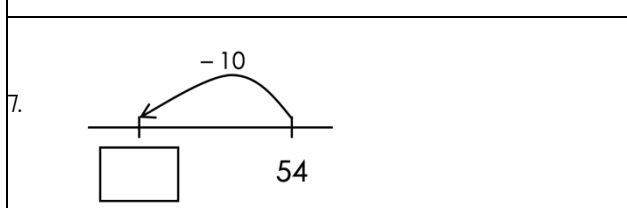
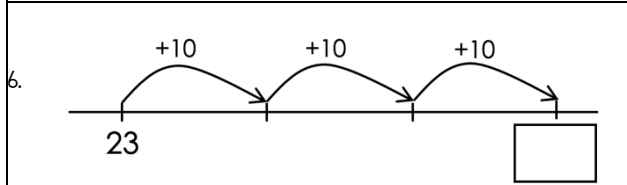
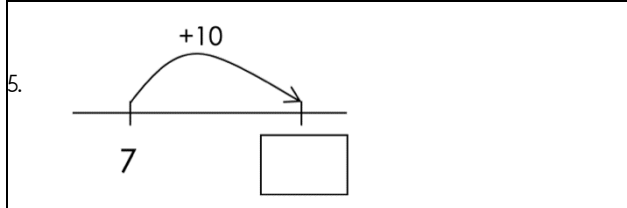
2 minutes for this page

1. Fill in the missing number
14, 24, 34, 44,

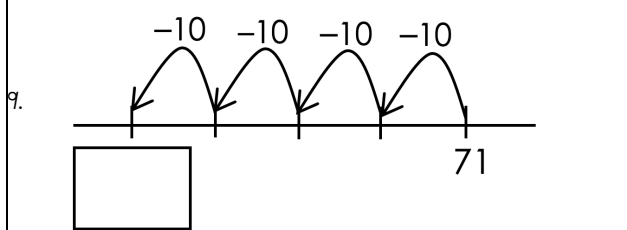
2. Fill in the missing number
79, 69, 59, 49,

3. $6 + 30 = \square$

4. $57 - 10 = \square$

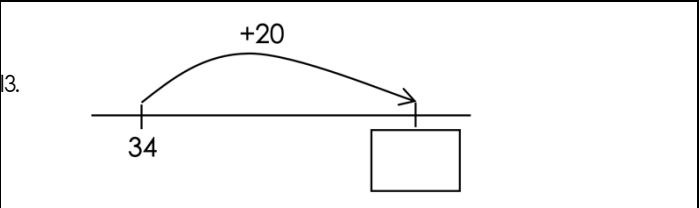
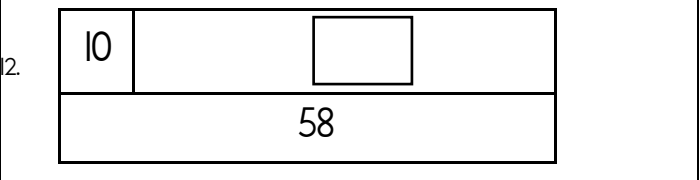
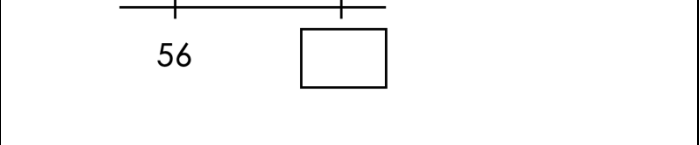


8. $36 + \square = 40$



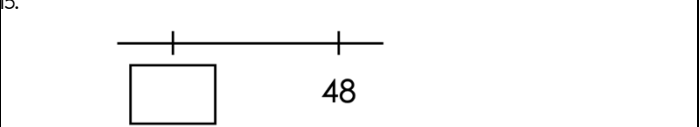
10. $31 - 20 = \square$

11. What is the next multiple of 10?



4. $16 + 30 = \square$

5. What is the multiple of 10 before 48?



6. $79 - 40 = \square$

7. $38 - \square = 18$

8. $\square - 20 = 69$

9. $37 + \square = 77$

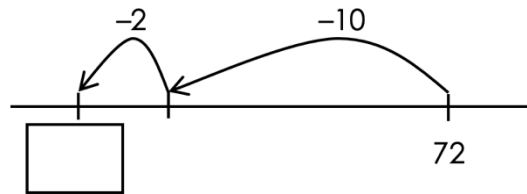
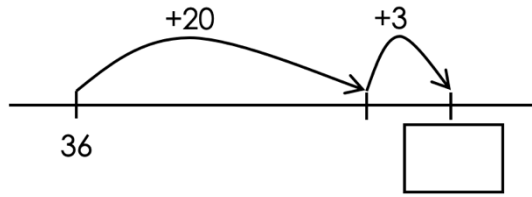
20. $\square + 20 = 66$

Total out of 20

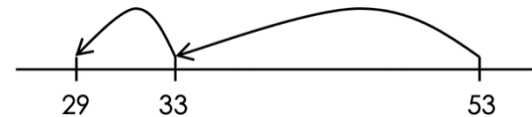
Jump Strategies: Pre-Test

PART 2

3 minutes for this page



$$45 + \square + 7 = 82$$



$$53 - \square - 4 = 29$$

5.

$$57 + 26 = \square$$

6.

$$83 - 24 = \square$$

7.

$$19 + \square = 41$$

8.

$$62 - \square = 47$$

9.

$$61 - 32 = 61 - \square - 2$$

10.

$$74 - \square = 74 - 20 - 5$$

Total out of 10

Name: _____

Jump Strategies: Post-Test

PART I

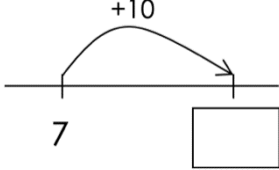
2 minutes for this page

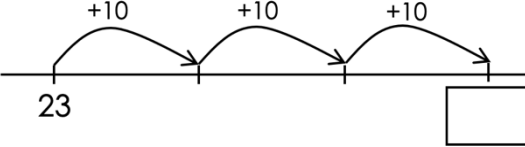
1. Fill in the missing number
12, 22, 32, 42,

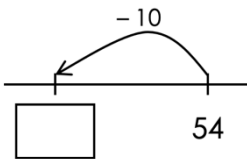
2. Fill in the missing number
79, 69, 59, 49,

3. $6 + 30 =$

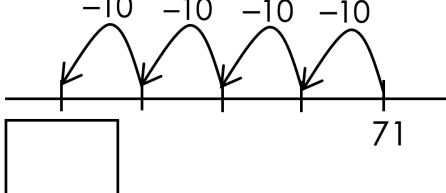
4. $57 - 10 =$

5. 

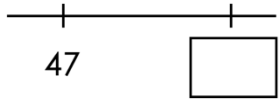
6. 

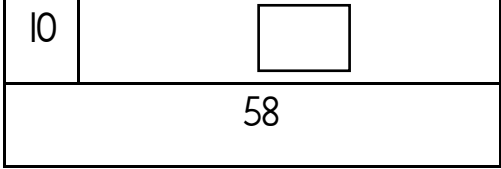
7. 

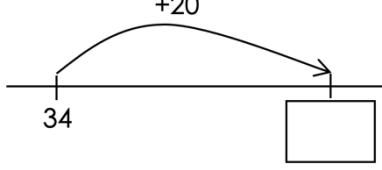
8. $37 +$ $= 40$

9. 

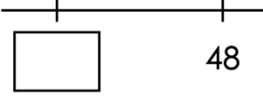
10. $31 - 20 =$

11. What is the next multiple of 10?


12. 

13. 

14. $16 + 30 =$

15. What is the multiple of 10 before 48?


16. $79 - 40 =$

17. $38 -$ $= 18$

18. $- 20 = 64$

19. $37 +$ $= 77$

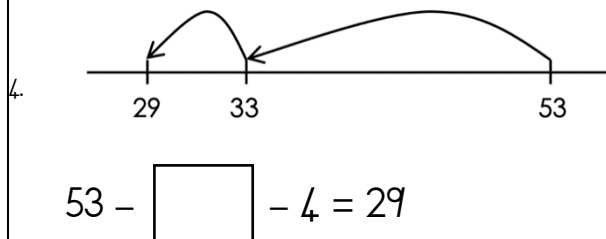
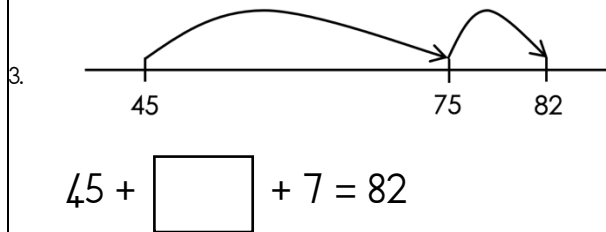
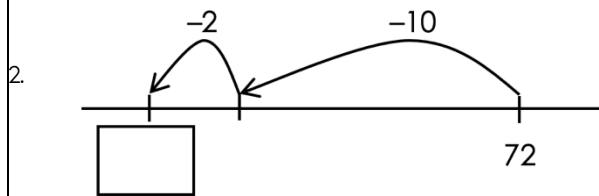
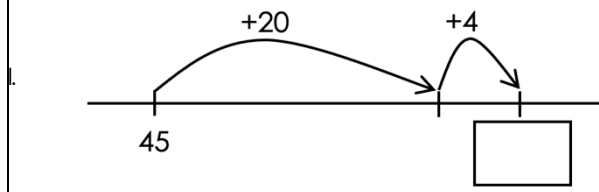
20. $+ 20 = 66$

Total out of 20

Jump Strategies: Post-Test

PART 2

3 minutes for this page



5. $57 + 26 = \square$

6. $83 - 24 = \square$

7. $19 + \square = 41$

8. $52 - \square = 37$

9. $61 - 32 = 61 - \square - 2$

10. $74 - \square = 74 - 20 - 5$

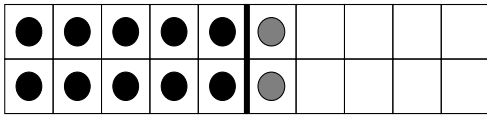
Total out of 10

Name: _____

Doubling & Halving: Pre-Test

PART I

2 minutes for this page



1. $6 + 6 = \square$

11. $15 + 15 = \square$

2. half of 12 = \square

12. $7 \times 2 = \square$

3. $9 + 9 = \square$

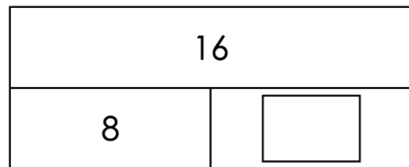
13. half of $\square = 7$

4. double 8 = \square

14. double 100 = \square

5. $\square \times 2 = 12$

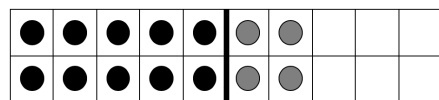
15. double 20 = \square



16. half of $\square = 40$

7. double 10 = \square

17. half of 50 = \square



8. half of 14 = \square

18. $16 \div 2 = \square$

9. $10 \div 2 = \square$

19. half of 30 = \square

10. half of 18 = \square

20. $2 \times 60 = \square$

Total out of 20

Doubling & Halving: Pre-Test

PART 2

3 minutes for this page

1. double 42 =

2. $36 \times 2 =$

3. $64 \div 2 =$

4. half of 102 =

5. double 47 =

6. half of 38 =

7. half of = 52

double 39 is 78

8. half of 78 is

9. $39 + 38 =$

10. double 39 = 40 + 40 -

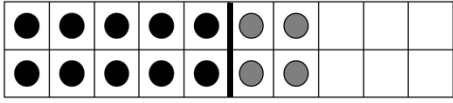
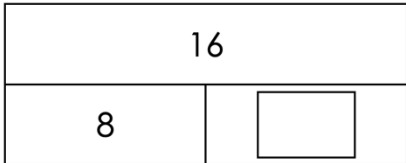
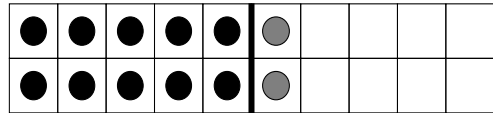
Total out of 10

Name: _____

Doubling & Halving: Post-Test

PART I

2 minutes for this page

<p>1.  $7 + 7 = \square$</p>	<p>1. $14 + 14 = \square$</p>
<p>2. half of $14 = \square$</p>	<p>2. $7 \times 2 = \square$</p>
<p>3. $9 + 9 = \square$</p>	<p>3. half of $\square = 7$</p>
<p>4. double 8 = \square</p>	<p>4. double 100 = \square</p>
<p>5. $\square \times 2 = 14$</p>	<p>5. double 20 = \square</p>
<p>6. </p>	<p>6. half of $\square = 40$</p>
<p>7. double 10 = \square</p>	<p>7. half of 50 = \square</p>
<p>8.  half of 12 = \square</p>	<p>8. $18 \div 2 = \square$</p>
<p>9. $10 \div 2 = \square$</p>	<p>9. half of 30 = \square</p>
<p>10. half of 18 = \square</p>	<p>20. $2 \times 60 = \square$</p>
<p>Total out of 20</p>	

Doubling & Halving: Post-Test

PART 2

3 minutes for this page

1. double 42 =

2. $36 \times 2 =$

3. $64 \div 2 =$

4. half of 102 =

5. double 99 =

6. half of 38 =

7. half of = 52

double 39 is 78

8. half of 78 is

9. $39 + 38 =$

10. double 39 = $40 + 40 -$

Total out of 10

Name: _____

Rounding & Adjusting: Pre-Test

PART I

2 minutes for this page

1. $23 + 30 = \square$

11. $69 + 2 = \square$

2. $42 - 3 = \square$

12. $68 + 10 = \square$

3. $57 - 10 = \square$

13. $38 + 3 = \square$

4. $51 - 2 = \square$

14. $145 + 30 = \square$

5. $137 - 20 = \square$

15. $97 - 60 = \square$

6. $43 + 40 = \square$

16. $48 = \square - 2$

7. $29 = \square - 1$

17. $49 + \square = 50$

8. $67 + \square = 70$

18. double 50 = \square

9. $97 = 100 - \square$

19. double 100 = \square

10. $88 + \square = 90$

20. $28 + \square = 30$

Total out of 20

Rounding & Adjusting: Pre-Test

PART 2

3 minutes for this page

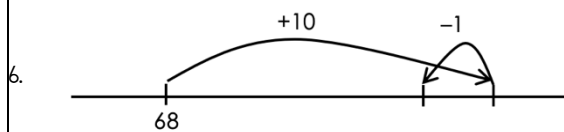
1. $34 + 29 = \square$

2. $64 - 19 = \square$

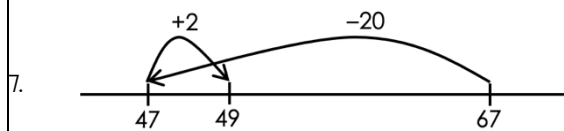
3. $27 + 98 = \square$

4. $234 - 99 = \square$

5. $97 + 98 + 99 = \square$



$68 + \square = 68 + 10 - 1$



$67 - 18 = 67 - 20 + \square$

8. $56 + 28 = 56 + \square - 2$

9. $84 - 39 = 84 - \square + 1$

10. Circle the number sentence that gives the same answer as:

$80 - 59$

$80 + 60 - 1$

$80 - 60 - 1$

$80 - 60 + 1$

$80 + 60 + 1$

Total out of 10

Name: _____

Rounding & Adjusting: Post-Test

PART I

2 minutes for this page

1. $34 + 20 = \square$

11. $29 + 2 = \square$

2. $42 - 3 = \square$

12. $68 + 10 = \square$

3. $57 - 10 = \square$

13. $38 + 3 = \square$

4. $51 - 2 = \square$

14. $145 + 30 = \square$

5. $178 - 30 = \square$

15. $97 - 60 = \square$

6. $43 + 40 = \square$

16. $48 = \square - 2$

7. $29 = \square - 1$

17. $79 + \square = 80$

8. $37 + \square = 40$

18. double 50 = \square

9. $97 = 100 - \square$

19. double 100 = \square

10. $88 + \square = 90$

20. $28 + \square = 30$

Total out of 20

Rounding & Adjusting: Post-Test

PART 2

3 minutes for this page

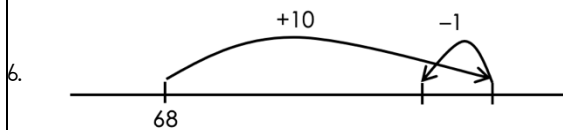
1. $34 + 19 = \square$

2. $54 - 29 = \square$

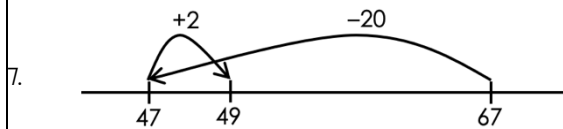
3. $27 + 98 = \square$

4. $234 - 99 = \square$

5. $97 + 98 + 99 = \square$



$68 + \square = 68 + 10 - 1$



$67 - 18 = 67 - 20 + \square$

8. $56 + 28 = 56 + \square - 2$

9. $84 - 39 = 84 - \square + 1$

10. Circle the number sentence that gives the same answer as:

$60 - 29$

$60 - 30 + 1$

$60 + 30 + 1$

$60 + 30 - 1$

$60 - 30 - 1$

Total out of 10

Name: _____

Re-Ordering: Pre-Test

PART I

2 minutes for this page

1. Circle two numbers that add up to 10. 7 4 2 3 9	11. $100 + 14 = \square$				
2. Circle two numbers that add up to 10. 5 4 1 6 8	12. $2 \times 5 = \square$				
3. $6 + \square = 10$	13. Circle two numbers that add up to 20. 8 14 12 3 19				
4. $9 + 11 = \square$	14. Circle two numbers that add up to 20. 15 4 1 16 8				
5. Circle two numbers that add up to 100. 24 50 30 38 70	15. $50 \times 2 = \square$				
6. Circle two numbers that add up to 100. 51 17 29 49 60	16. $140 + \square = 149$				
7. $20 = 8 + \square$	17. Circle two numbers that add up to 30. 18 14 12 7 19				
8. $\square + 3 = 20$	18. Circle two numbers that add up to 30. 10 14 9 16 13				
9. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="padding: 5px;">21</td><td style="padding: 5px;"><input style="width: 40px; height: 20px;" type="text"/></td></tr><tr><td colspan="2" style="padding: 5px; text-align: center;">30</td></tr></table>	21	<input style="width: 40px; height: 20px;" type="text"/>	30		19. $\begin{array}{r} + \\ 69 \end{array}$ $69 + \square = 100$
21	<input style="width: 40px; height: 20px;" type="text"/>				
30					
10. $56 + 30 = \square$	20. $22 + 18 = \square$				

Total out of 20

Re-Ordering: Pre-Test

PART 2

3 minutes for this page

1. $6 + 98 = \square$

2. $17 + 48 + 13 = \square$

3. $199 + 98 + 1 + 2 = \square$

4. $37 + 56 + 13 = \square$

5. $38 + 125 + 15 = \square$

6. $2 \times 7 \times 5 = \square$

7. $6 + 98 = 98 + \square$

8. $96 + 58 + 4 = 100 + \square$

9. $99 + 97 + 1 + \square = 200$

10. Circle the best two numbers to add first in this set:

37 88 12

Total out of 10

Name: _____

Re-Ordering: Post-Test

PART I

2 minutes for this page

1. Circle two numbers that add up to 10. 7 4 2 3 9	11. $100 + 32 = \square$				
2. Circle two numbers that add up to 10. 5 4 1 6 8	12. $2 \times 5 = \square$				
3. $7 + \square = 10$	13. Circle two numbers that add up to 20. 8 14 12 3 19				
4. $9 + 11 = \square$	14. Circle two numbers that add up to 20. 15 4 1 16 8				
5. Circle two numbers that add up to 100. 24 50 30 38 70	15. $50 \times 2 = \square$				
6. Circle two numbers that add up to 100. 51 17 29 49 60	16. $140 + \square = 149$				
7. $20 = 8 + \square$	17. Circle two numbers that add up to 30. 18 14 12 7 19				
8. $\square + 3 = 20$	18. Circle two numbers that add up to 30. 10 14 9 16 13				
9. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td style="padding: 5px;">21</td><td style="padding: 5px;"><input style="width: 40px; height: 20px;" type="text"/></td></tr><tr><td colspan="2" style="padding: 5px; text-align: center;">30</td></tr></table>	21	<input style="width: 40px; height: 20px;" type="text"/>	30		19. $\begin{array}{r} + \quad \text{—————} \\ 69 \\ \hline 69 + \square = 100 \end{array}$
21	<input style="width: 40px; height: 20px;" type="text"/>				
30					
10. $56 + 30 = \square$	20. $22 + 18 = \square$				

Total out of 20

Re-Ordering: Post-Test

PART 2

3 minutes for this page

1. $8 + 97 = \square$

2. $27 + 48 + 23 = \square$

3. $199 + 98 + 1 + 2 = \square$

4. $37 + 56 + 13 = \square$

5. $38 + 125 + 15 = \square$

6. $2 \times 7 \times 5 = \square$

7. $8 + 97 = 97 + \square$

8. $96 + 58 + 4 = 100 + \square$

9. $99 + 97 + 1 + \square = 200$

10. Circle the best two numbers to add first in this set:

43 36 14

Total out of 10

Name: _____

Linking Addition & Subtraction: Pre-Test

PART I

2 minutes for this page

1. $88 + \square = 92$	Fill in 15, 5 and 20 into the number sentences below (11 - 14). <table border="1"><tr><td>15</td><td>5</td></tr><tr><td colspan="2">20</td></tr></table>	15	5	20	
15	5				
20					
2. $42 - 4 = \square$	11. $\square - 5 = \square$				
3. $86 + 5 = \square$	12. $\square + 5 = \square$				
4. $17 + \square = 23$	13. $\square - \square = 5$				
5. $199 + \square = 201$	14. $5 + \square = \square$				
Fill these three numbers into the correct boxes: $11 - 9 = 2$.	15. $99 + \square = 102$				
6. <table border="1"><tr><td>\square</td><td>\square</td></tr></table>	\square	\square	16. $21 - \square = 19$		
\square	\square				
7. <table border="1"><tr><td>\square</td></tr></table>	\square	17. $37 + 6 = \square$			
\square					
8. $302 - 5 = \square$	18. $47 + \square = 55$				
9. $29 + \square = 34$	19. $34 - \square = 29$				
10. $91 - \square = 89$	20. $75 + \square = 82$				

Total out of 20

Linking Addition & Subtraction: Pre-Test

PART 2

3 minutes for this page

1. $92 - 88 = \square$

2. $4 + \square = 402$

3. $\square - 82 = 5$

4. $82 - 75 = \square$

5. $201 - 199 = \square$

6.	\square	99
	102	

$27 + 15 = 42$ $42 + 15 = 57$

7. $42 - 15 = \square$

$24 + 18 = 42$ $24 + 42 = 66$

8. $\square + 24 = 42$

Use the three numbers below in two different subtraction calculations:

$83 + 37 = 120$

9. $\square - \square = \square$

10. $\square - \square = \square$

Total out of 10

Name: _____

Linking Addition & Subtraction: Post-Test

PART I

2 minutes for this page

1. $76 + \square = 82$	Fill in 16, 4 and 20 into the number sentences below (11 - 14). <table border="1"><tr><td>16</td><td>4</td></tr><tr><td colspan="2">20</td></tr></table>	16	4	20	
16	4				
20					
2. $42 - 4 = \square$	11. $\square - 4 = \square$				
3. $86 + 5 = \square$	12. $\square + 4 = \square$				
4. $17 + \square = 23$	13. $\square - \square = 4$				
5. $199 + \square = 201$	14. $4 + \square = \square$				
Fill these three numbers into the boxes: $11 - 9 = 2$.	15. $99 + \square = 102$				
6. <table border="1"><tr><td>\square</td><td>\square</td></tr></table>	\square	\square	16. $21 - \square = 19$		
\square	\square				
7. <table border="1"><tr><td>\square</td></tr></table>	\square	17. $37 + 6 = \square$			
\square					
8. $302 - 5 = \square$	18. $27 + \square = 35$				
9. $29 + \square = 34$	19. $34 - \square = 29$				
10. $91 - \square = 89$	20. $75 + \square = 82$				

Total out of 20

Linking Addition & Subtraction: Post-Test

PART 2

3 minutes for this page

1. $73 - 68 = \square$

2. $6 + \square = 303$

3. $\square - 82 = 5$

4. $82 - 75 = \square$

5. $201 - 199 = \square$

6.	\square	99
	102	

$42 + 15 = 57$ $27 + 15 = 42$

7. $42 - 15 = \square$

$42 + 24 = 66$ $24 + 18 = 42$

8. $\square + 24 = 42$

Use the three numbers below in two different subtraction calculations:

$67 + 53 = 120$

9. $\square - \square = \square$

10. $\square - \square = \square$

Total out of 10

PRINT MASTERS: TAKE-HOME WORKSHEETS

Name: _____

Bridging Through Ten: Worksheet 1

1. $6 + 4 = \square$

13. $50 + 6 = \square$

2. $1 + 9 = \square$

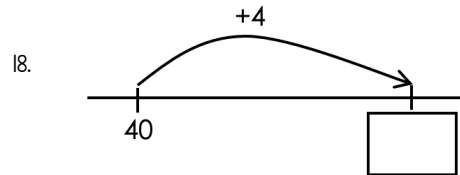
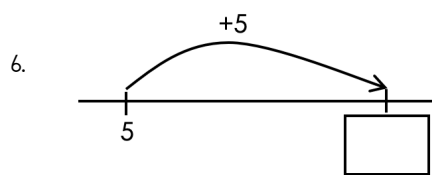
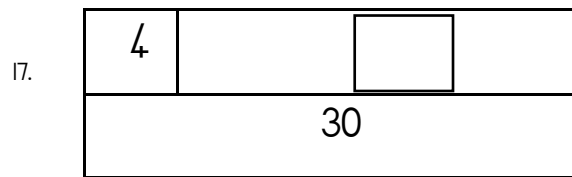
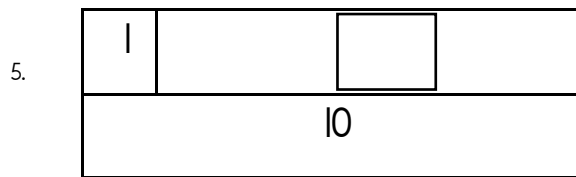
14. $50 + 4 = \square$

3. 7 less than 10 is \square

15. 8 less than 30 is \square

4. $10 = 3 + \square$

16. $20 = 19 + \square$

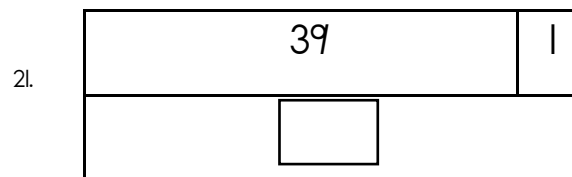
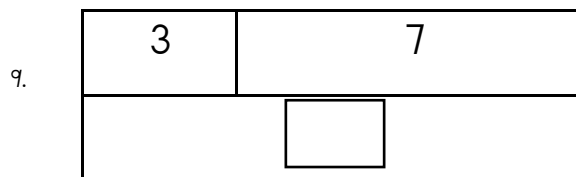


7. $10 - 5 = \square$

19. $60 - 4 = \square$

8. $10 - 8 = \square$

20. $60 - 7 = \square$

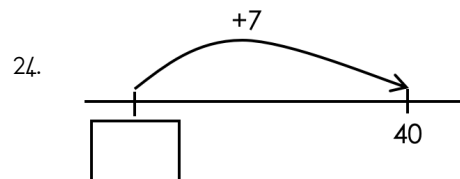
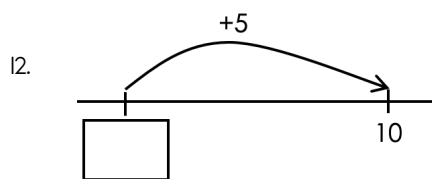


10. $\square + 4 = 10$

22. $\square + 3 = 23$

11. $8 + \square = 10$

23. $30 + \square = 36$



Name: _____

Bridging Through Ten: Worksheet 2

1. $45 + 8 = \square$



2. $54 - 6 = \square$



3. $26 + \square = 34$

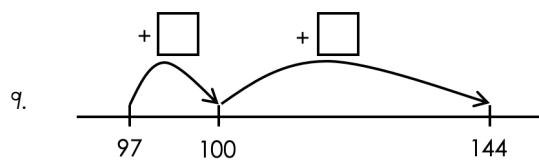
4. $27 + \square = 27 + 3 + 5$

5. $32 + 9 = 32 + 8 + \square$

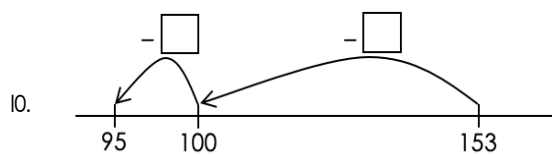
6. $67 + 6 = 67 + 3 + \square$

7. $44 + \square = 44 + 6 + 23$

8. $32 - \square = 32 - 2 - 5$



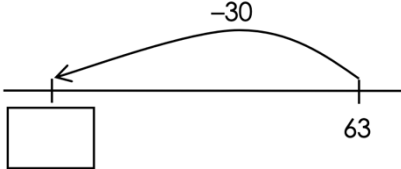
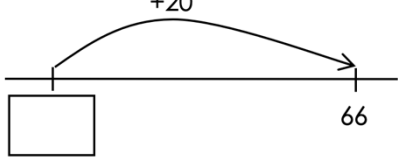

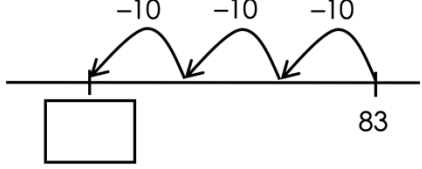
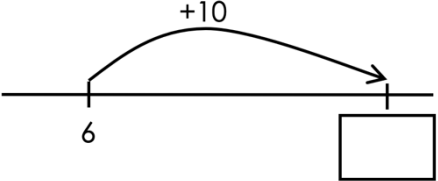
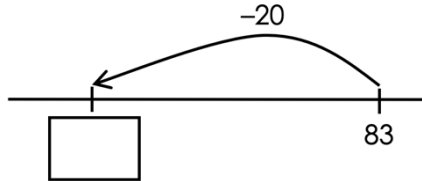
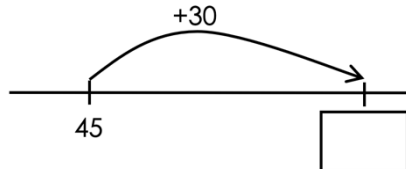
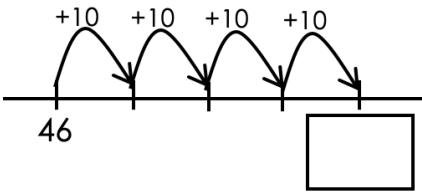
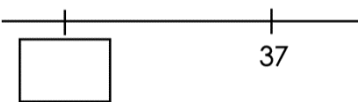
$$97 + \square + \square = 144$$



$$153 - \square - \square = 95$$

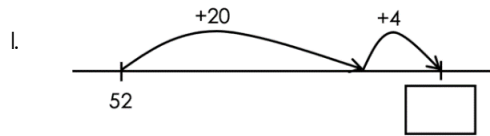
Name: _____

Jump Strategies: Worksheet I

1. $75 - 10 = \square$	11. $14 + 50 = \square$				
2. 	12. 				
3. 17 27 37 \square 57	13. 86 76 66 56 \square				
4. $47 + \square = 50$	14. $68 - \square = 8$				
5. What is the next multiple of 10? 	15. 				
6. 	16. 				
7. $52 - 20 = \square$	17. $4 + 50 = \square$				
8. <table border="1"><tr><td>10</td><td>\square</td></tr><tr><td colspan="2">69</td></tr></table>	10	\square	69		18. 
10	\square				
69					
9. 	19. What is the multiple of 10 before 37? 				
10. $45 + \square = 85$	20. $97 - 60 = \square$				

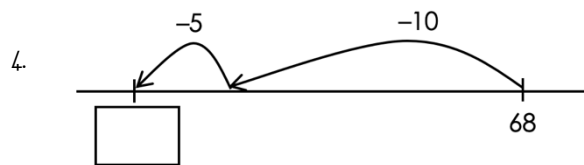
Name: _____

Jump Strategies: Worksheet 2



2. $45 + 8 = \square$

3. $64 - 25 = \square$



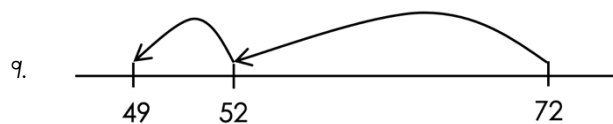
5. $18 + \square = 42$

6. $73 - \square = 58$

7. $53 - 24 = 53 - \square - 4$



$27 + \square + 6 = 63$

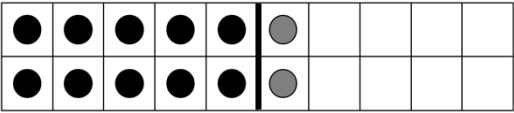
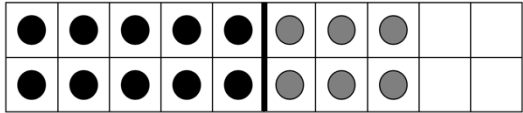
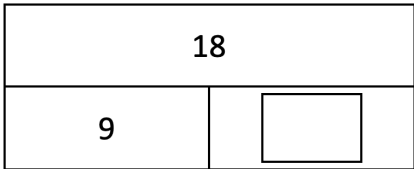
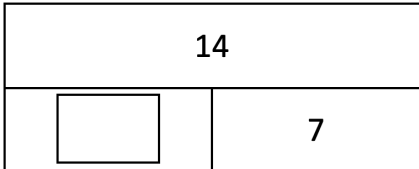
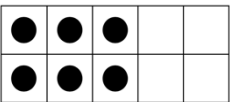
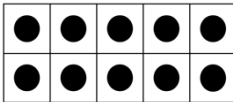


$72 - \square - 3 = 49$

10. $86 - \square = 86 - 20 - 9$

Name: _____

Doubling & Halving: Worksheet 1

1.  $6 + 6 = \square$	11.  $8 + 8 = \square$
2. Half of 12 = \square	12. $11 \times 2 = \square$
3. $9 + 9 = \square$	13. Half of $\square = 8$
4. Double 7 = \square	14. Double 30 = \square
5. $\square \times 2 = 16$	15. Double 50 = \square
6. 	16. 
7. Double 10 = \square	17. Half of 40 = \square
8.  Half of 6 = \square	18.  Half of 10 = \square
9. $12 \div 2 = \square$	19. Half of 70 = \square
10. Half of 14 = \square	20. $2 \times 70 = \square$

Name: _____

Doubling & Halving: Worksheet 2

i. Double 32 is

ii. Double 44 is

2. $26 \times 2 =$

12. $38 \times 2 =$

3. $42 \div 2 =$

13. $86 \div 2 =$

4. Half of 110 =

14. Half of 104 =

5. Double 23 =

15. Double 39 =

6. Half of 36 =

16. Half of 48 =

Double 31 is 62

Double 49 is 98

7. $2 \times 31 =$

17. $2 \times 49 =$

8. Half of 62 is

18. Half of 98 is

9. $31 + 32 =$

19. $49 + 48 =$

10. Double 31 = $30 + 30 +$

20. Double 49 = $50 + 50 -$

Name: _____

Rounding & Adjusting: Worksheet I

1. $46 + 40 = \square$

11. $21 - 3 = \square$

2. $57 - 10 = \square$

12. $28 + 3 = \square$

3. $32 - 3 = \square$

13. $26 + 30 = \square$

4. $71 - 2 = \square$

14. $115 + 50 = \square$

5. $167 - 70 = \square$

15. double 20 = \square

6. $38 = \square - 2$

16. $19 = \square - 1$

7. $68 + \square = 70$

17. $32 - \square = 30$

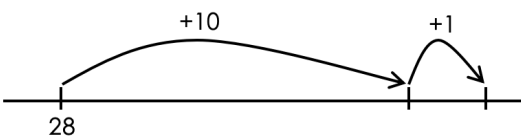
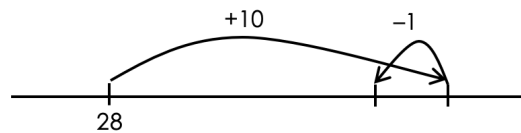
8. $99 = 100 - \square$

18. $49 + \square = 50$

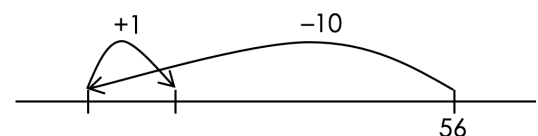
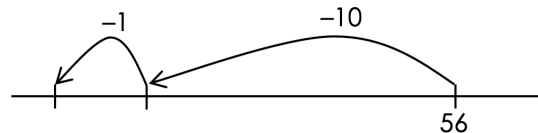
9. double 200 = \square

19. $27 = 30 - \square$

10. Circle the number line that shows $28 + 9$.



20. Circle the number line that shows $56 - 9$.



Name: _____

Rounding & Adjusting: Worksheet 2

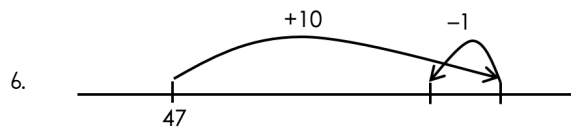
1. $56 + 29 = \square$

2. $54 - 38 = \square$

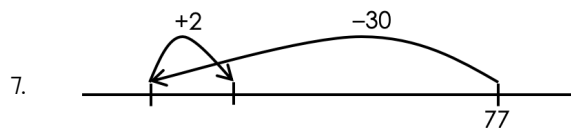
3. $45 + 37 = \square$

4. $325 - 99 = \square$

5. $47 + 49 + 48 = \square$



$$47 + \square = 47 + 10 - 1$$



$$77 - 28 = 77 - 30 + \square$$

8. $66 + 28 = 66 + \square - 2$

9. $95 - 39 = 95 - \square + 1$

10. Circle the number sentence that gives the same answer as:

$$80 - 39$$

$$80 + 40 - 1$$

$$80 + 40 + 1$$

$$80 - 40 + 1$$

$$80 - 40 - 1$$

Name: _____

Re-Ordering: Worksheet I

1. Circle two numbers that add up to 10.

8 6 2 7 5

11. $100 + 57 = \square$

2. Circle two numbers that add up to 10.

7 5 4 6 9

12. $2 \times 6 = \square$

3. $8 + \square = 10$

13. Circle two numbers that add up to 30.

9 16 21 7 12

4. $7 + 13 = \square$

14. Circle two numbers that add up to 30.

17 5 13 8 12

5. Circle two numbers that add up to 100.

36 59 64 45 73

15. $60 \times 2 = \square$

6. Circle two numbers that add up to 100.

45 87 37 55 62

16. $120 + \square = 128$

7. $20 = 8 + \square$

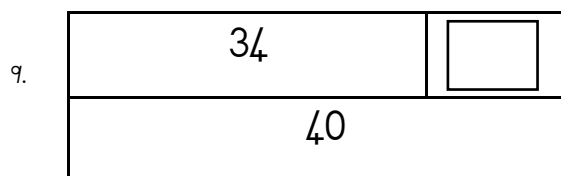
17. Circle two numbers that add up to 20.

11 14 6 7 19

8. $\square + 6 = 20$

18. Circle two numbers that add up to 20.

15 12 8 4 11



19.
$$\begin{array}{r} + \\ 87 \\ \hline \end{array}$$

 $87 + \square = 100$

10. $26 + 12 = \square$

20. $24 + 16 = \square$

Name: _____

Re-Ordering: Worksheet 2

1. $8 + 94 = \square$

2. $11 + 27 + 19 = \square$

3. $99 + 198 + 2 + 1 = \square$

4. $48 + 23 + 12 = \square$

5. $56 + 115 + 25 = \square$

6. $2 \times 9 \times 5 = \square$

7. $3 \times 10 = 10 \times \square$

8. $9 + 93 = 93 + \square$

9. $91 + 37 + 9 = 100 + \square$

10. $99 + 96 + 1 + \square = 200$

11. Circle the best two numbers to add first in this set:

74 26 83

12. Circle the best two numbers to multiply first in this set:

2 38 5

Name: _____

Linking Addition & Subtraction: Worksheet I

1. $67 + \square = 72$	Fill in the numbers 17, 3 and 20 into the number sentences below (11 -14). <table border="1"><tr><td>17</td><td>3</td></tr><tr><td colspan="2">20</td></tr></table>	17	3	20	
17	3				
20					
2. $54 - 6 = \square$	11. $\square - 3 = \square$				
3. $78 + 7 = \square$	12. $\square + 3 = \square$				
4. $26 + \square = 34$	13. $\square - \square = 3$				
5. $99 + \square = 102$	14. $3 + \square = \square$				
6. Fill these three numbers into the boxes: $13 - 8 = 5$ <table border="1"><tr><td>\square</td><td>\square</td></tr><tr><td>\square</td><td>\square</td></tr></table>	\square	\square	\square	\square	15. $198 + \square = 202$ 16. $31 - \square = 28$
\square	\square				
\square	\square				
7. $206 - 8 = \square$	17. $46 + 8 = \square$				
8. $48 + \square = 54$	18. $55 + \square = 63$				
9. $81 - \square = 78$	19. $64 - \square = 59$				
10. $39 + \square = 44$	20. $65 + \square = 72$				

Name: _____

Linking Addition & Subtraction: Worksheet 2

1. $72 - 67 = \square$

4. $94 - 88 = \square$

2. $4 + \square = 303$

5. $302 - 298 = \square$

3. $\square - 63 = 6$

6.

\square	98
103	

$34 + 27 = 61$

$36 + 25 = 61$

$61 + 27 = 88$

7. $61 - 27 = \square$

8. $\square + 36 = 61$

Use the three numbers below in two different subtraction calculations:

$78 + 52 = 130$

9. $\square - \square = \square$

10. $\square - \square = \square$

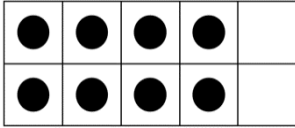
PRINT MASTERS: TEACHING SUPPORT MATERIALS

Name: _____

Doubling & Halving Lesson Starter 1: Individual Task

Complete the sentence or write sentences for each picture.

1. Double 4



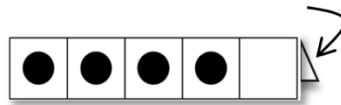
Double is

Two groups of is

Two times is

$$\square \times 2 = \square$$

2. Half of 8



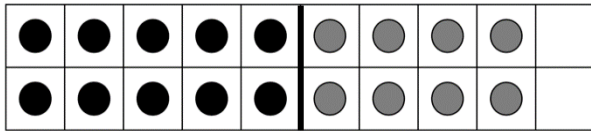
Half of is

8 divided by 2 is

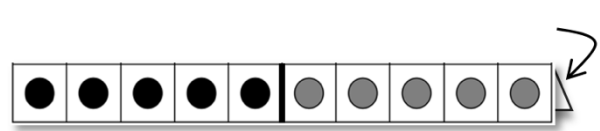
8 shared between 2 is

$$\square \div 2 = \square$$

3. Double 9

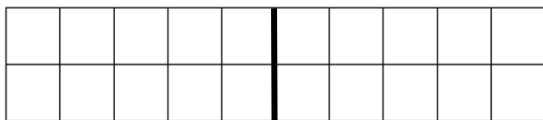


4. Half of 20



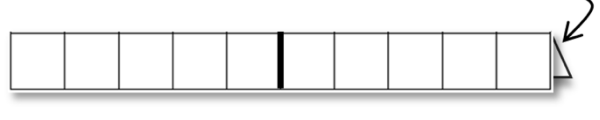
5. Double

Draw the dots for your number:



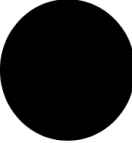

6. Half of

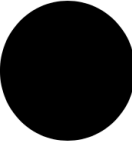
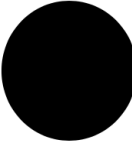
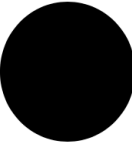

Draw the dots for your number:

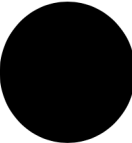


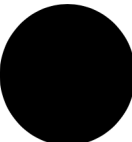
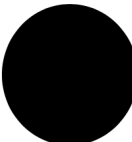
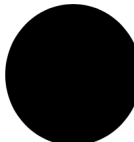


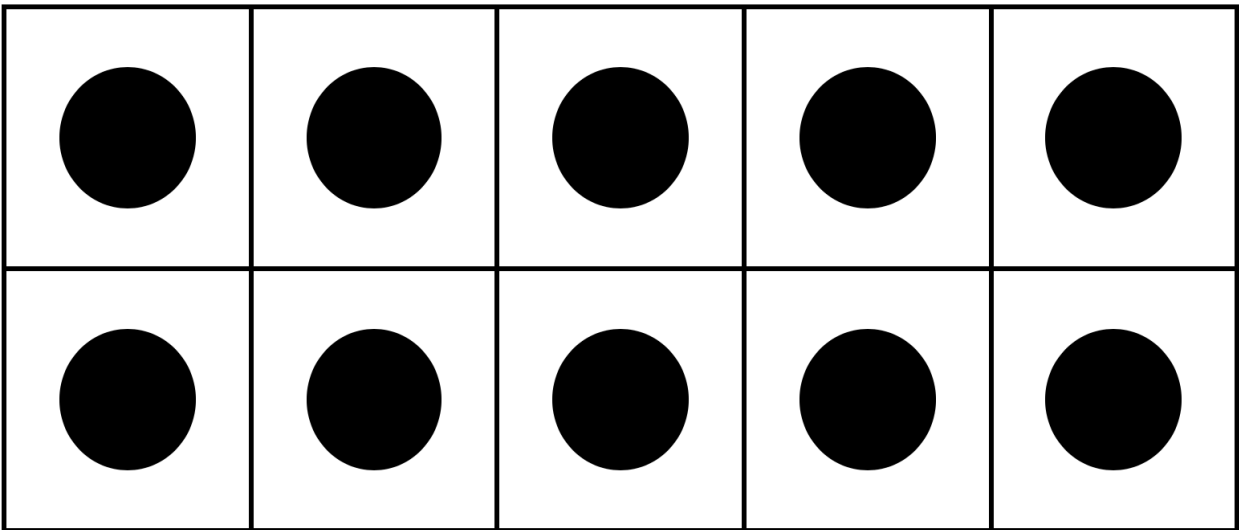
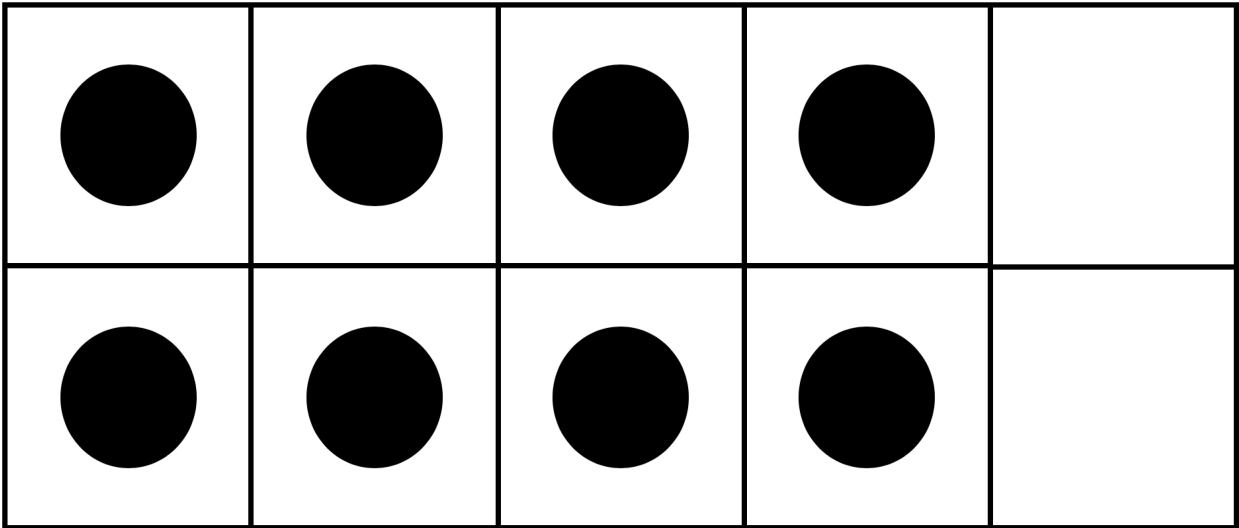
DOUBLING & HALVING: PRINTABLE DOUBLE DOT CARDS

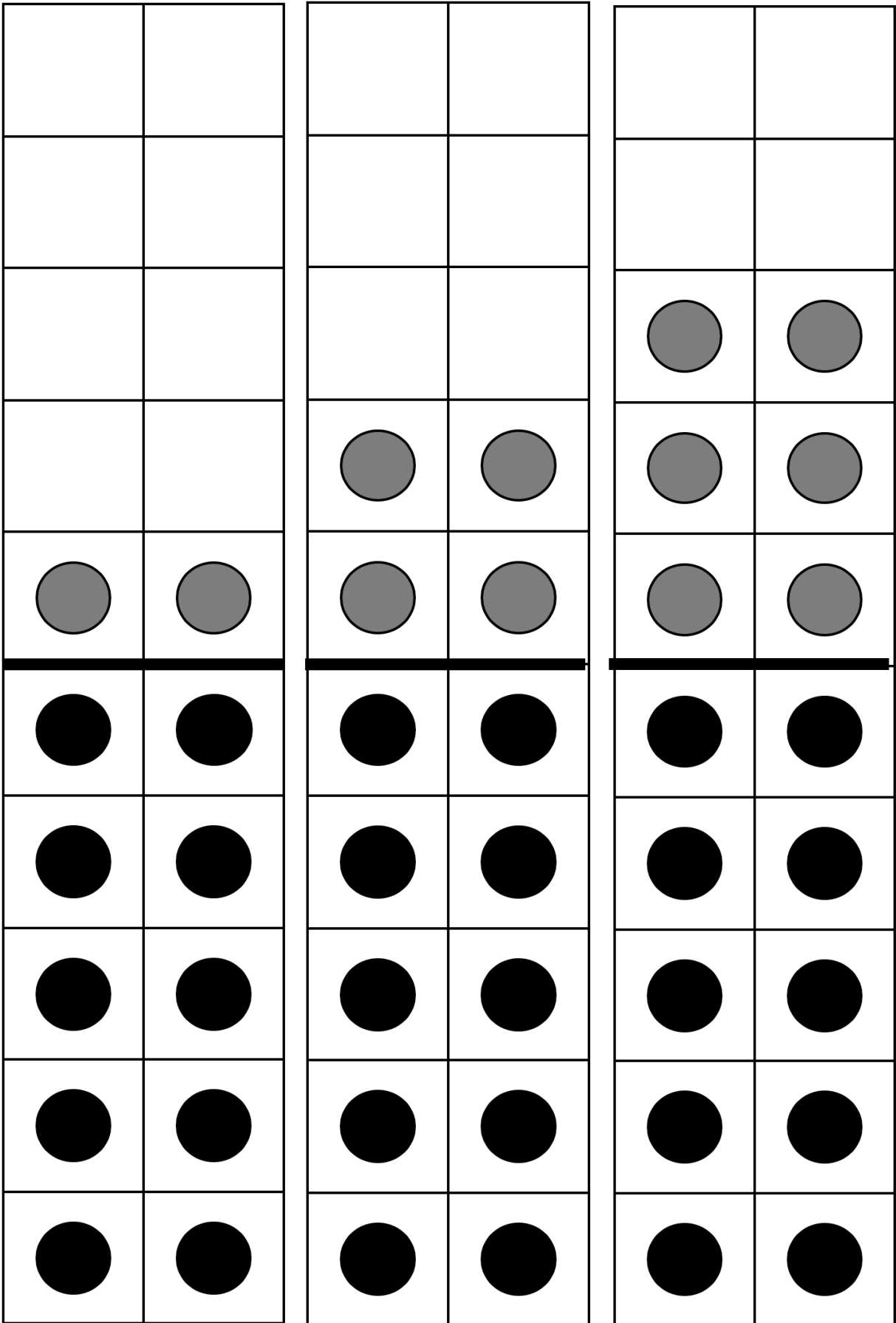
Print and laminate for use in the Doubling & Halving lesson starters

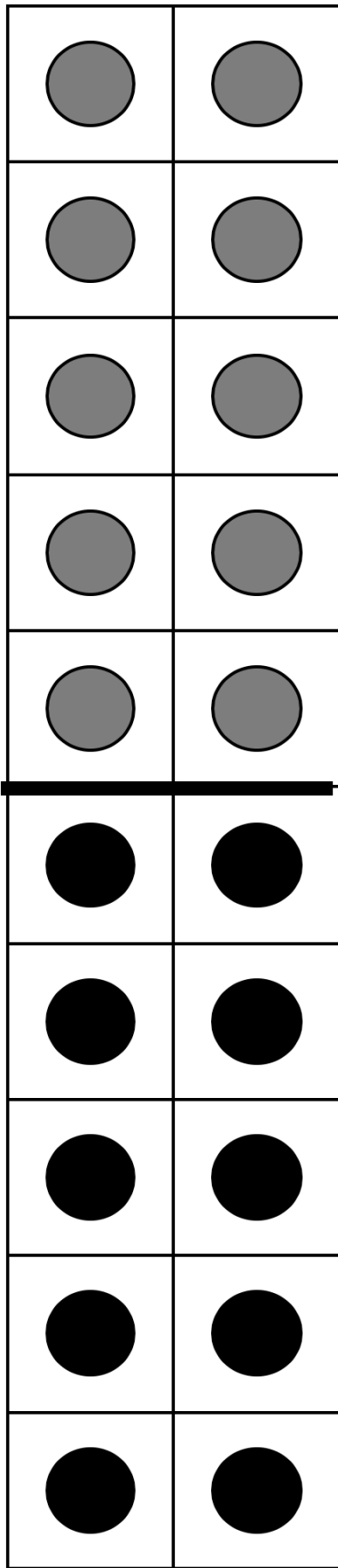
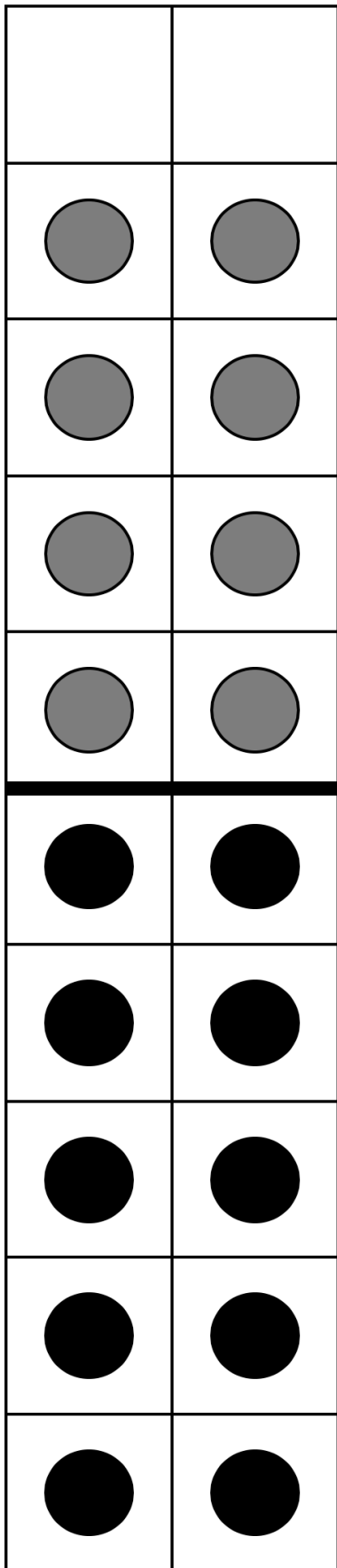
				
				

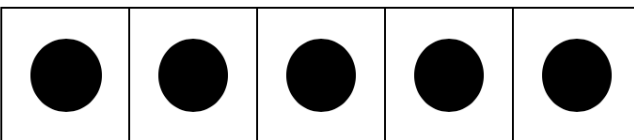
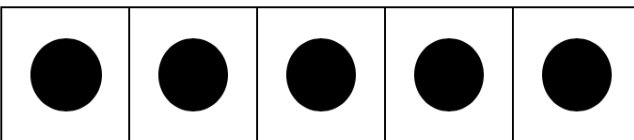
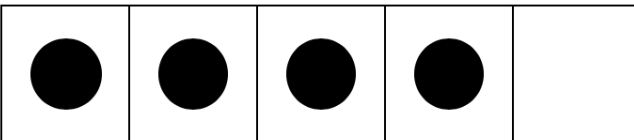
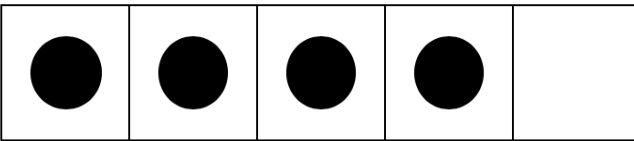
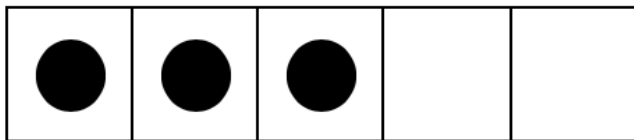
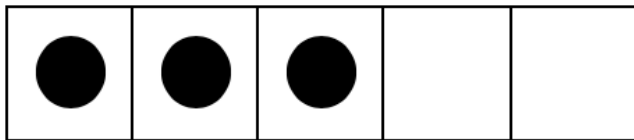
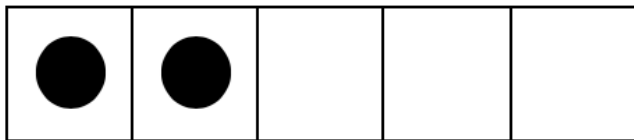
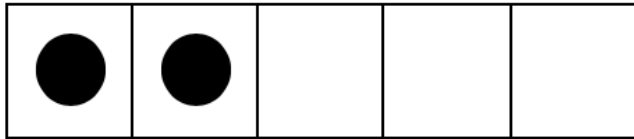
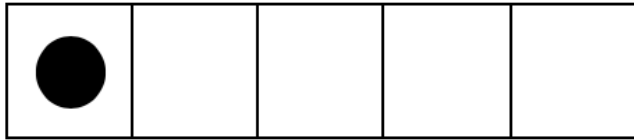
				
				

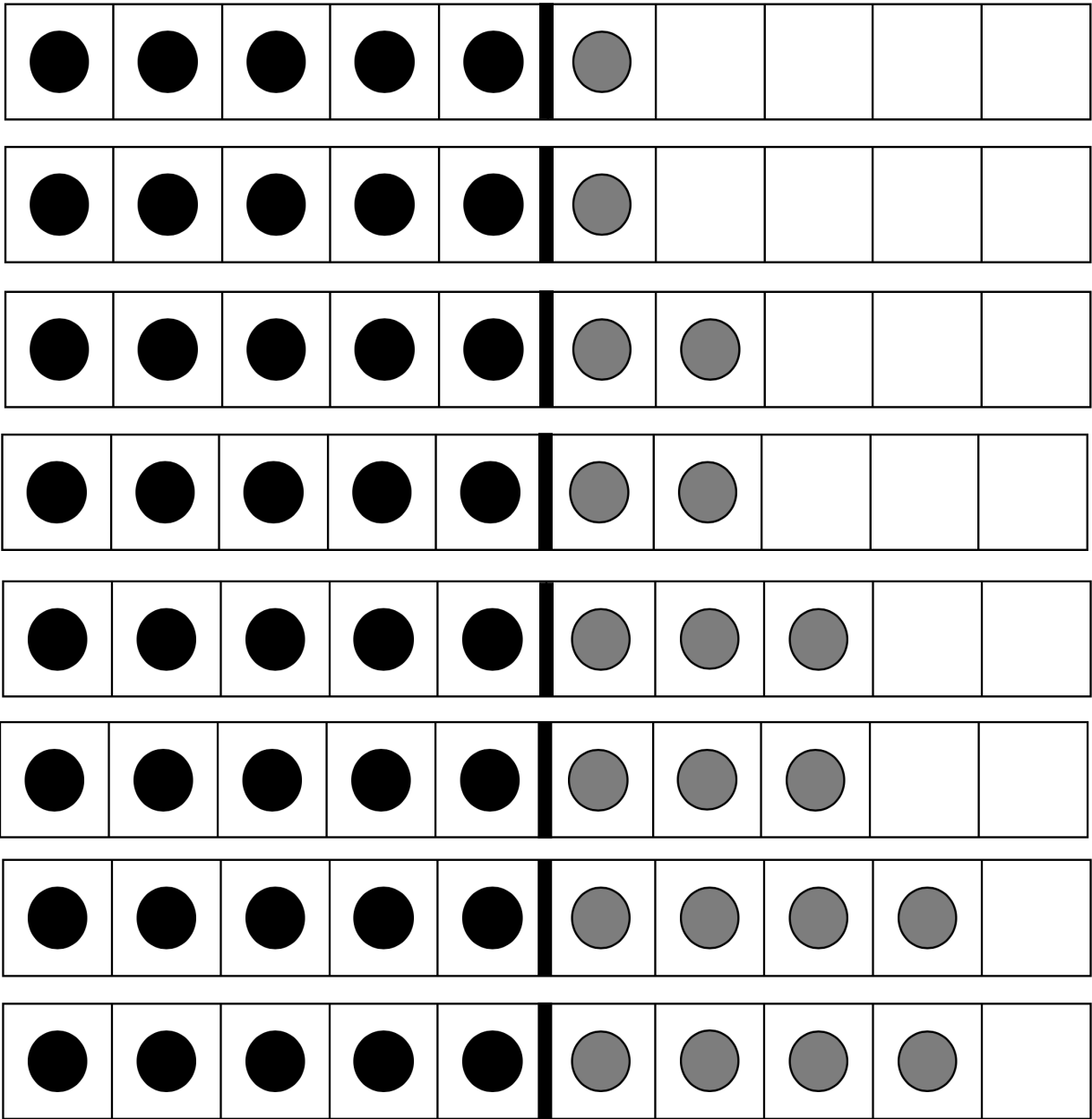
				
				

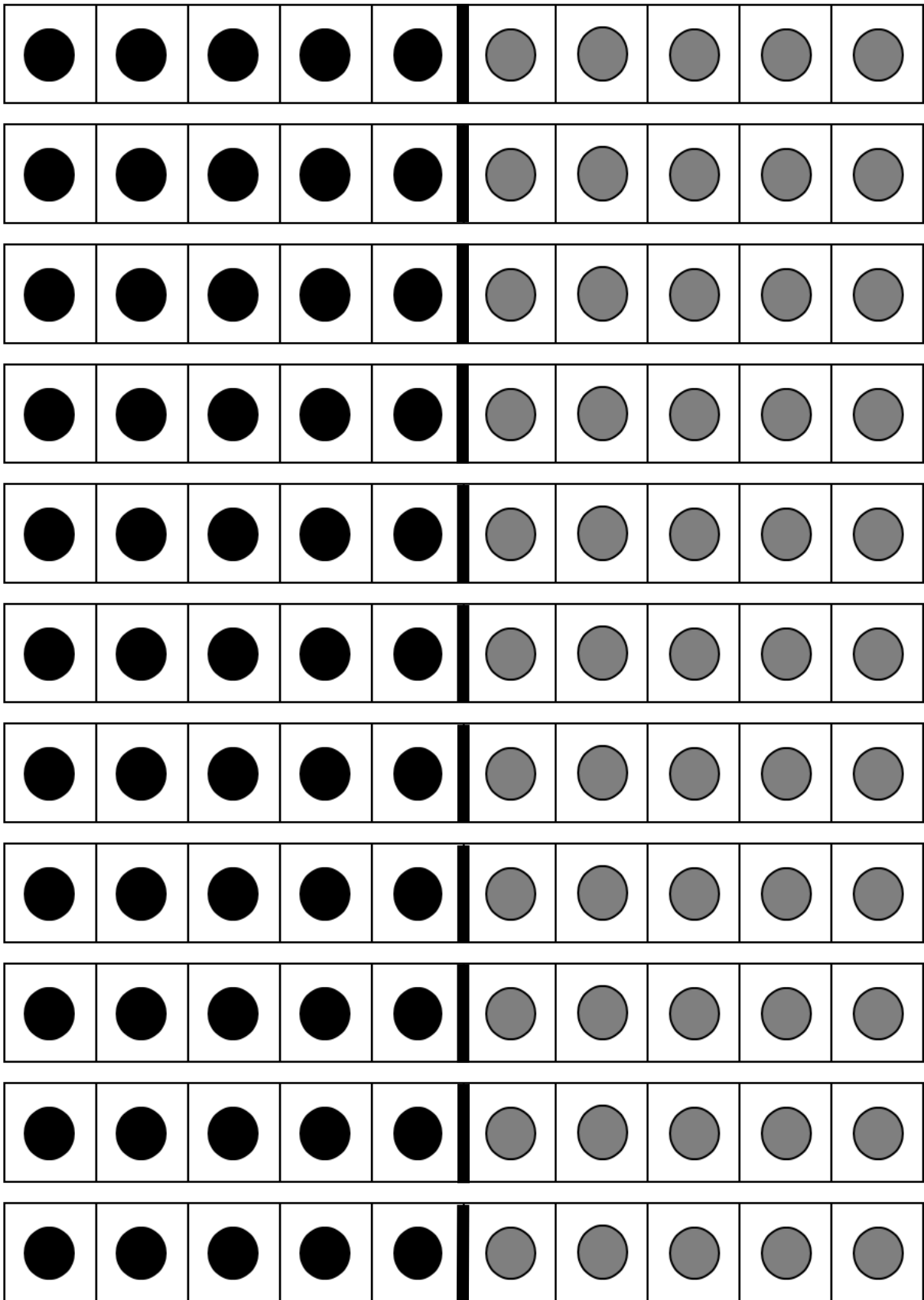




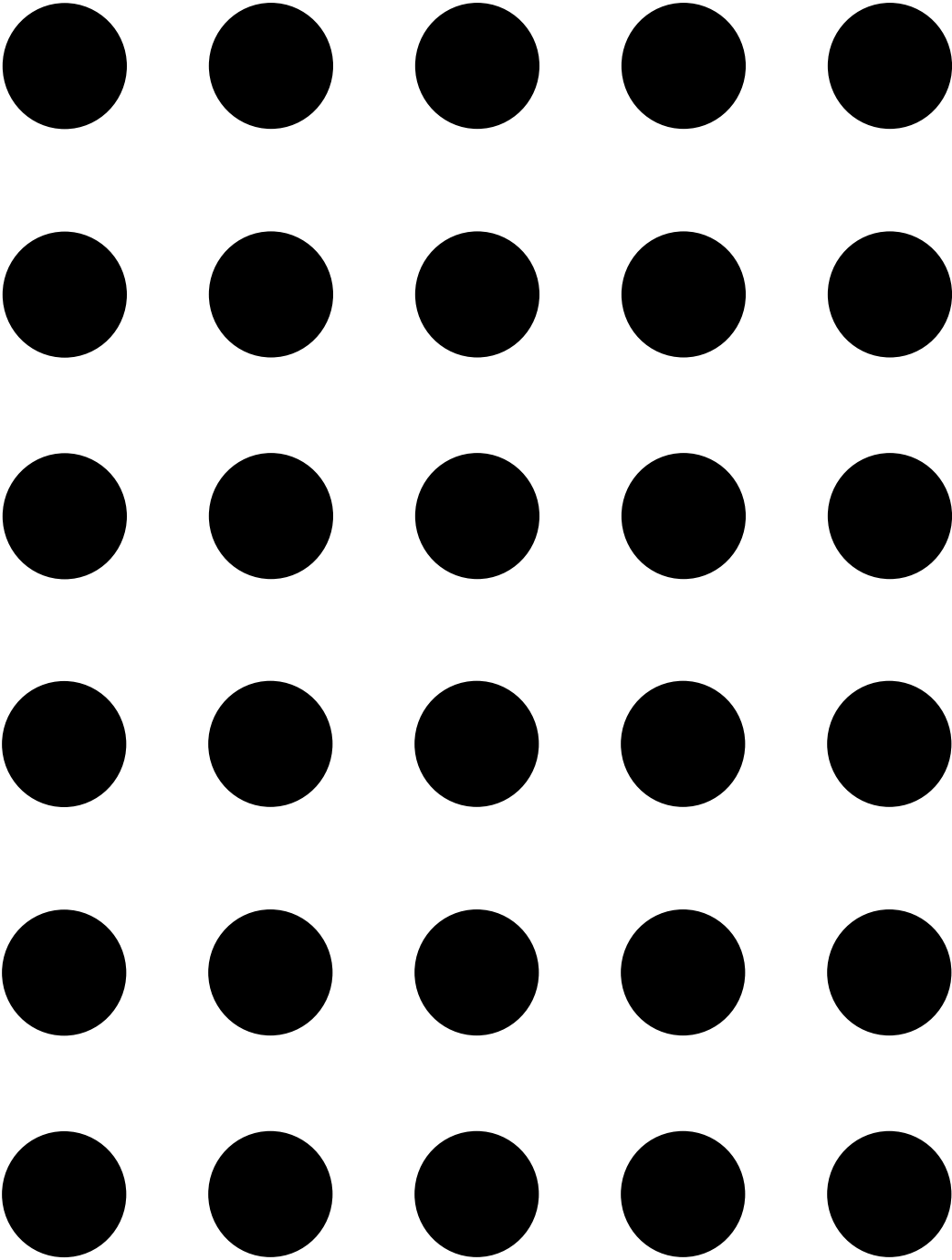


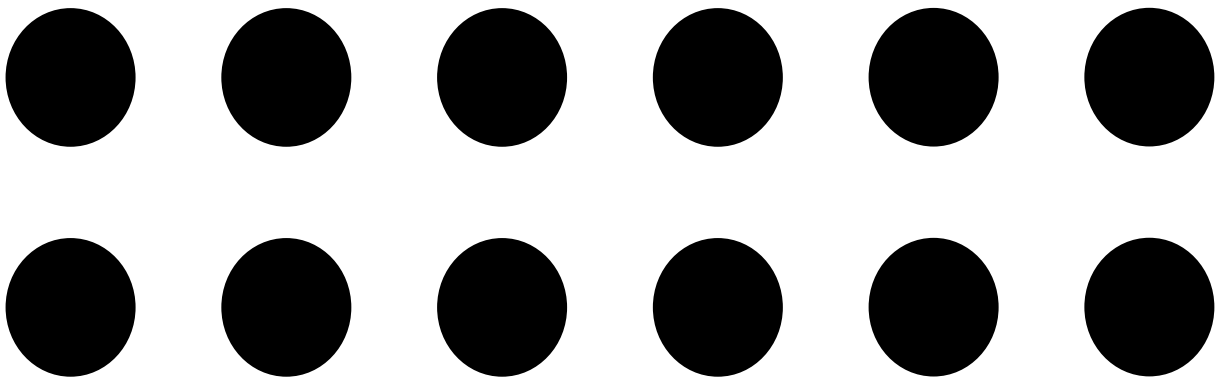
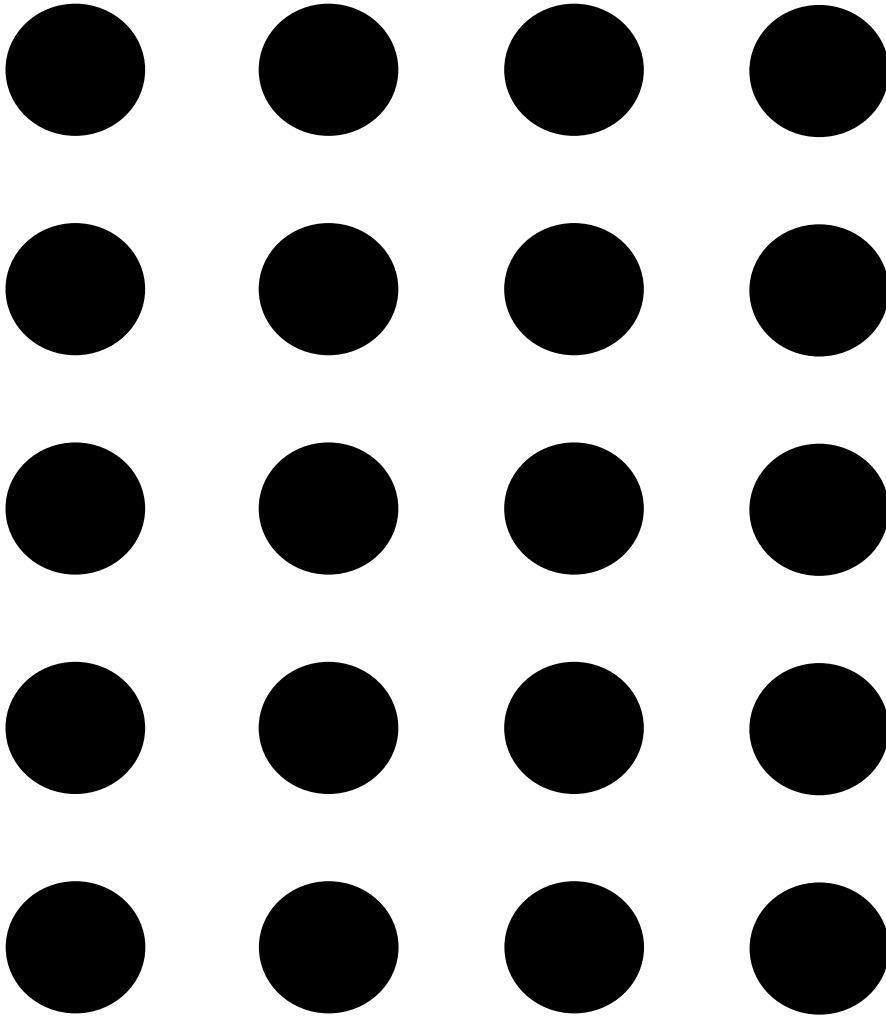


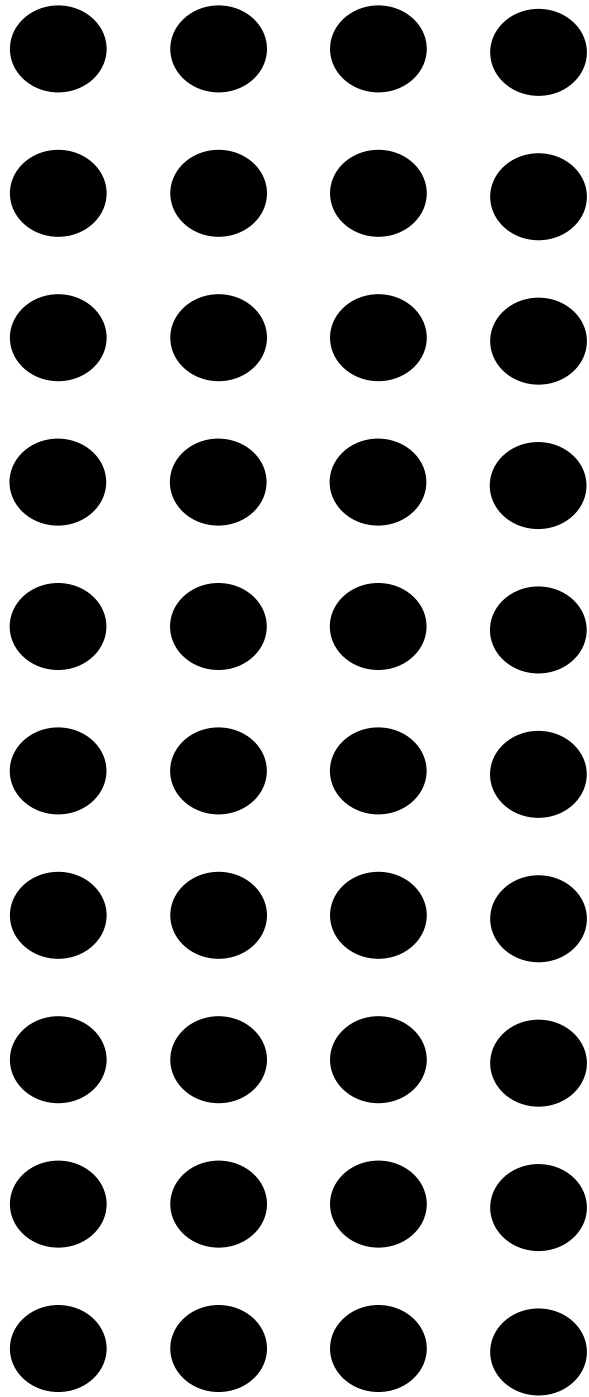
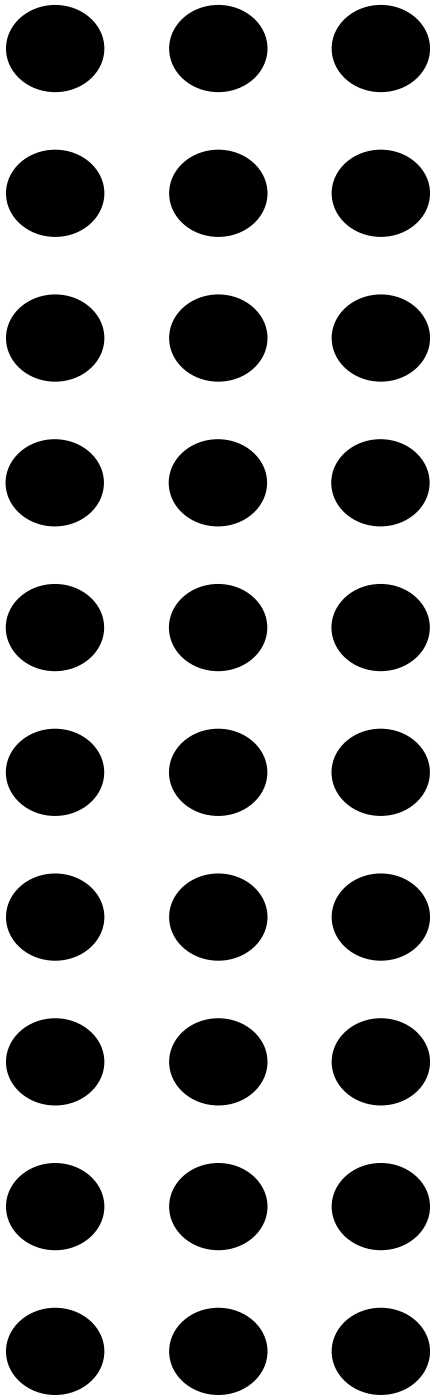




RE-ORDERING: PRINTABLE DOT ROWS & COLUMNS, LESSON STARTER 6







LINKING ADDITION & SUBTRACTION: PRINTABLE BAR DIAGRAM



Big

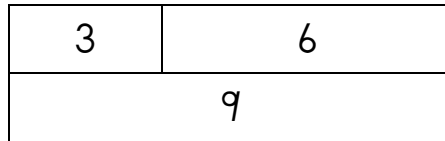
Small

Small

Name:

Linking Addition and Subtraction Lesson Starter I: Individual Task

Write the words Big, Small and Small next to the correct bars in the diagram below:



Place a tick (✓) next to number sentences that are true/correct, and a cross (✗) next to number sentences that are false/incorrect (✗):

$3 + 6 = 9$

$6 - 3 = 9$

$9 = 6 + 3$

$9 - 3 = 6$

$6 + 9 = 3$

$3 = 9 - 6$

$6 + 3 = 9$

$9 - 6 = 3$

$3 + 9 = 6$

$3 - 6 = 9$

Name:

Linking Addition and Subtraction Lesson Starter 3: Individual Task

Write the following number sentences into the correct bar diagram below. Then write four addition and four subtraction number sentences for each number family.

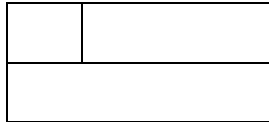
$5 + 5 = 10$

$3 + 4 = 7$

$11 + 1 = 12$

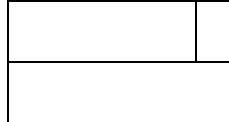
$9 = 2 + 7$

Note that $5 + 5 = 10$ only has two addition and two subtraction sentences.



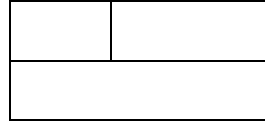
Addition:

Subtraction:



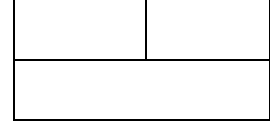
Addition:

Subtraction:



Addition:

Subtraction:



Addition:

Subtraction:
