



A FREE RESOURCE PACK FROM EDUCATIONCITY

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# Number and Place Value



Mathematics



School Worksheets



Suitability

# Number and Place Value Worksheets

## What Does This Pack Include?

This pack has been created by teachers, for teachers. In it, you'll find high quality worksheets (with answers!) to support the teaching of number and place value.

To go directly to the content, simply click on the title in the index below:

| STRAND: Number – Number and place value |  |
|---|--|
| Mrs Cow's Milk                          | <b>Learning Objective:</b> Count forwards in 3s, 4s, 5s and tens             |
| Jack in the Box                         | <b>Learning Objective:</b> Count forwards in 2s, 3s, 4s and 5s               |
| Jack in the Box                         | <b>Learning Objective:</b> Count forwards in 2s, 3s, 4s and 5s               |
| Scout Venture                           | <b>Learning Objective:</b> Count forwards in 2s, 3s, 4s and 5s               |
| Jack in the Box                         | <b>Learning Objective:</b> Count forwards and backwards in 2s, 3s, 4s and 5s |
| Mrs Cow's Milk                          | <b>Learning Objective:</b> Count forwards and backwards in tens and hundreds |
| Spin a Ring                             | Count back in tens to find the missing numbers                               |
| Jack in the Box                         | <b>Learning Objective:</b> Complete the number sequences and find the rules  |
| Jack in the Box                         | <b>Learning Objective:</b> Count backwards in steps of 7, 9 and 11           |
| Starship Sten                           | <b>Learning Objective:</b> Find 1000 more or less                            |
| Mrs Cow's Milk                          | <b>Learning Objective:</b> Complete the number sequences including negatives |
| Mrs Cow's Milk                          | <b>Learning Objective:</b> Complete the number sequences including negatives |
| Slippery Slope                          | <b>Learning Objective:</b> Use negative numbers in context to -7             |

## Other Resources Linking to the Theme

Before deciding what to include in your lesson, check out our online content relating to number and place value too. It's simple to find, just enter the Content ID number into EducationCity's Search Content tool!

| Topic Tools:   | Activities:   |
|--|---|
| Explore Concepts as a Class  | Educational Content   |
| <b>Number Line</b><br>Content ID: 1955   | <b>Snow Place Like Home</b><br>Content ID: 26124  |
|  |   |
| Explore a 0 to 1000 number line, changing the start number, end number and increments. | An Activity where students need to find 10 or 100 more or less than, with numbers up to 1000. |

## Enjoyed these resources?

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 or call us on +44 (0)1572 725080!



# Mrs Cow's Milk

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the clues to complete the number sequences. One has been done for you.

1 Clue: + 5

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 10 | 15 | 20 | 25 | 30 | 35 |
|----|----|----|----|----|----|

2 Clue: + 10

|    |  |  |  |  |    |
|----|--|--|--|--|----|
| 35 |  |  |  |  | 85 |
|----|--|--|--|--|----|

3 Clue: + 4

|    |  |  |  |  |    |
|----|--|--|--|--|----|
| 16 |  |  |  |  | 36 |
|----|--|--|--|--|----|

4 Clue: + 3

|    |  |  |  |  |    |
|----|--|--|--|--|----|
| 18 |  |  |  |  | 33 |
|----|--|--|--|--|----|



Find the clues to the sequences. One has been done for you.

5 Clue: + 5

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

6 Clue: \_\_\_\_\_

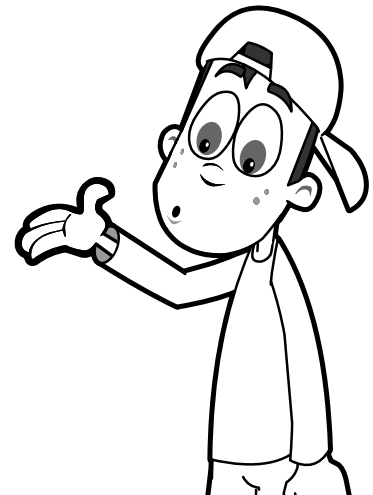
|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

7 Clue: \_\_\_\_\_

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

8 Clue: \_\_\_\_\_

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|





# Mrs Cow's Milk

Activity Sheet

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Use the clues to complete the number sequences. One has been done for you.

1 Clue: + 5

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 10 | 15 | 20 | 25 | 30 | 35 |
|----|----|----|----|----|----|

2 Clue: + 10

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 35 | 45 | 55 | 65 | 75 | 85 |
|----|----|----|----|----|----|

3 Clue: + 4

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 16 | 20 | 24 | 28 | 32 | 36 |
|----|----|----|----|----|----|

4 Clue: + 3

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 18 | 21 | 24 | 27 | 30 | 33 |
|----|----|----|----|----|----|



Find the clues to the sequences. One has been done for you.

5 Clue:     + 5

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

6 Clue:     + 4

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

7 Clue:     + 3

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

8 Clue:     + 5

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|





# Jack in the Box

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these sequences.

1 2

3 4

5 6

7 8

Choose any number between 1 and 20.

Write the number in the first box. Count on in threes from that number.

a

Choose another number between 1 and 20.

Write the number in the first box. Count on in threes from that number.

b





# Jack in the Box

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these sequences.

① 15 → 20 → 25 → 30      ② 15 → 17 → 19 → 21

③ 17 → 21 → 25 → 29      ④ 9 → 12 → 15 → 18

⑤ 5 → 10 → 15 → 20      ⑥ 18 → 22 → 26 → 30

⑦ 11 → 14 → 17 → 20      ⑧ 17 → 19 → 21 → 23

Choose any number between 1 and 20.

Write the number in the first box. Count on in threes from that number.

① 3 → 6 → 9 → 12

## Suggested answers

Choose another number between 1 and 20.

Write the number in the first box. Count on in threes from that number.

② 19 → 22 → 25 → 28





# Jack in the Box

## Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these sequences.

**1** 15 → 12 → 9 →  **2** 29 → 24 → 19 → 

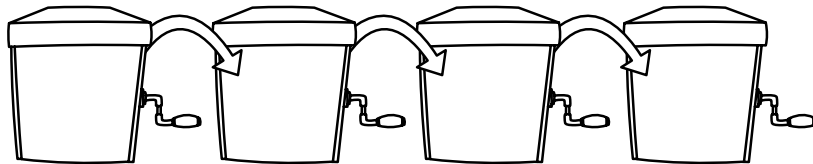
**3** 19 → 17 → 15 →  **4** 27 → 23 → 19 → 

**5** 18 → 15 → 12 →  **6** 30 → 25 → 20 → 

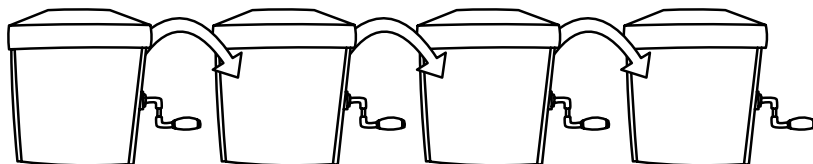
**7** 17 → 15 → 13 →  **8** 17 → 15 → 13 → 



Choose any number between 20 and 30.  
Write the number in the first box. Count back in threes from that number.



Choose another number between 20 and 30.  
Write the number in the first box. Count back in threes from that number.





# Jack in the Box

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete these sequences.

1 15 → 12 → 9 → 6      2 29 → 24 → 19 → 14

3 19 → 17 → 15 → 13      4 27 → 23 → 19 → 15

5 18 → 15 → 12 → 9      6 30 → 25 → 20 → 15

7 17 → 15 → 13 → 11      8 17 → 15 → 13 → 11



Choose any number between 20 and 30.  
Write the number in the first box. Count back in threes from that number.

22 → 19 → 16 → 13

Choose another number between 20 and 30.  
Write the number in the first box. Count back in threes from that number.

29 → 26 → 23 → 20





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Fill in the missing numbers.

|          |    |    |    |    |    |           |    |    |    |    |    |
|----------|----|----|----|----|----|-----------|----|----|----|----|----|
| <b>1</b> | 21 | 26 | 31 |    | 41 | <b>2</b>  | 18 | 22 | 26 |    | 34 |
| <b>3</b> | 31 | 33 | 35 | 37 |    | <b>4</b>  | 9  |    | 15 | 18 | 21 |
| <b>5</b> | 27 | 32 | 37 | 42 |    | <b>6</b>  | 19 | 23 |    | 31 | 35 |
| <b>7</b> | 31 |    | 37 | 40 | 43 | <b>8</b>  | 18 | 23 | 28 |    | 38 |
| <b>9</b> | 35 | 37 |    | 41 | 43 | <b>10</b> | 24 | 28 | 32 |    | 40 |

Here is a number grid.

Choose any number below 10 to start on, and count up in 2's, colouring each square red. Now do this counting up in 3s, 4s and 5s using different colours.

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 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 |





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Fill in the missing numbers.

|          |    |           |           |           |           |           |    |           |           |           |    |
|----------|----|-----------|-----------|-----------|-----------|-----------|----|-----------|-----------|-----------|----|
| <b>1</b> | 21 | 26        | 31        | <b>36</b> | 41        | <b>2</b>  | 18 | 22        | 26        | <b>30</b> | 34 |
| <b>3</b> | 31 | 33        | 35        | 37        | <b>39</b> | <b>4</b>  | 9  | <b>12</b> | 15        | 18        | 21 |
| <b>5</b> | 27 | 32        | 37        | 42        | <b>47</b> | <b>6</b>  | 19 | 23        | <b>27</b> | 31        | 35 |
| <b>7</b> | 31 | <b>34</b> | 37        | 40        | 43        | <b>8</b>  | 18 | 23        | 28        | <b>33</b> | 38 |
| <b>9</b> | 35 | 37        | <b>39</b> | 41        | 43        | <b>10</b> | 24 | 28        | 32        | <b>36</b> | 40 |

Here is a number grid.

Choose any number below 10 to start on, and count up in 2's, colouring each square red. Now do this counting up in 3s, 4s and 5s using different colours.

|    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|
| 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 |



**Suggested Answer: 2**





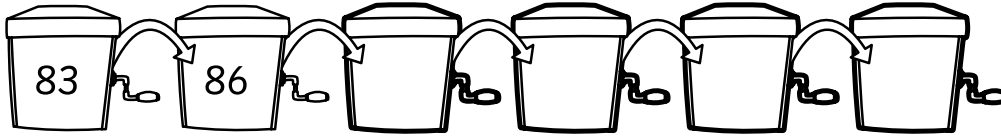
# Jack in the Box

Activity Sheet

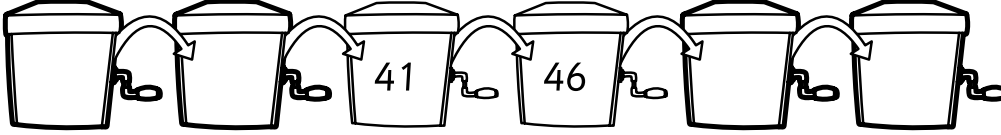
Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete the sequences.

1



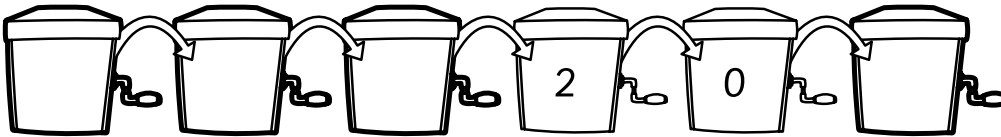
2



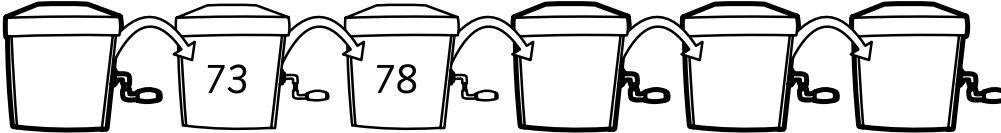
3



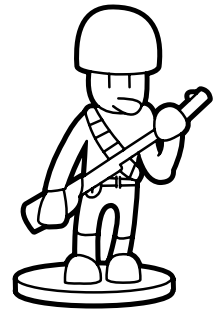
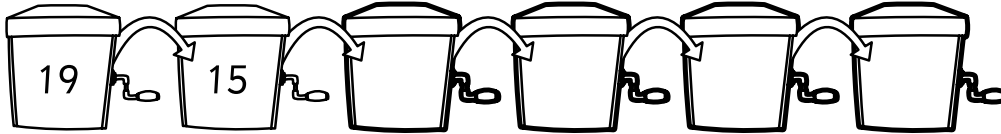
4



5

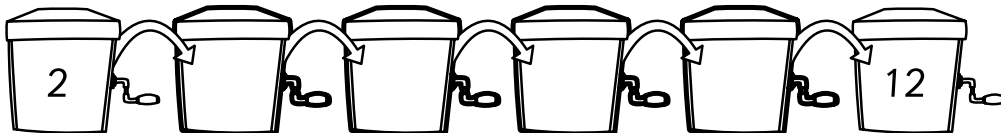


6

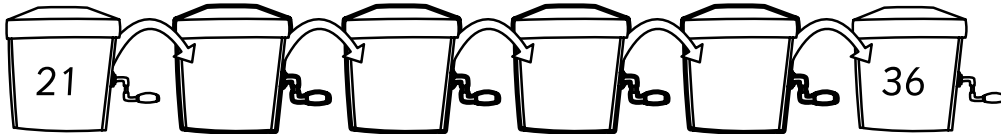


Complete Stig's tricky sequences. Work out the jumps and enter the numbers. The jumps are either twos, threes, fours or fives.

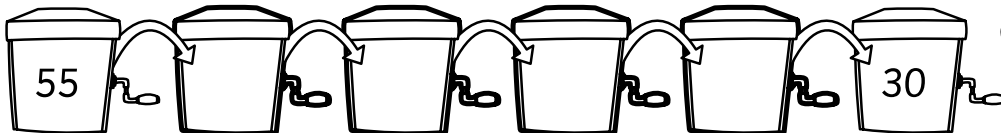
7



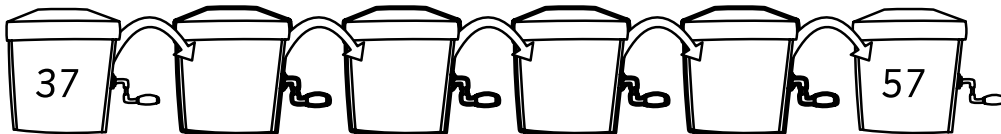
8



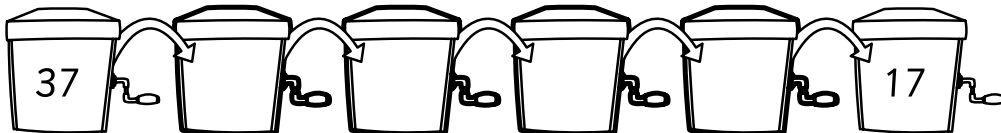
9



10



11





# Jack in the Box

Activity Sheet

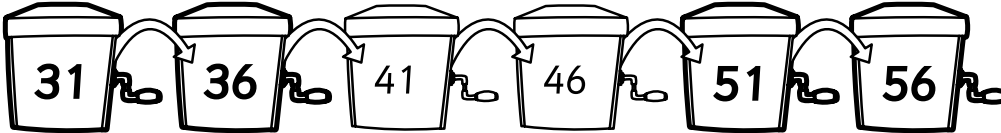
Name: \_\_\_\_\_ Class: \_\_\_\_\_

Complete the sequences.

1



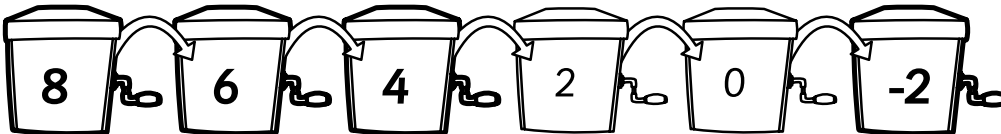
2



3



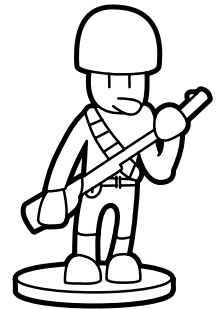
4



5



6



Complete Stig's tricky sequences. Work out the jumps and enter the numbers. The jumps are either twos, threes, fours or fives.

7



8



9



10



11





Name: \_\_\_\_\_ Class: \_\_\_\_\_

Starting with the first number, follow the instructions and fill in the missing numbers.

**Count on in tens.**

**1**

**2**

**Count back in tens.**

**3**

**4**

**Count on in hundreds.**

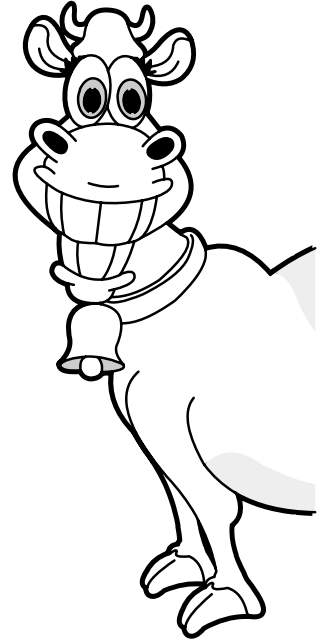
**5**

**6**

**Count back in hundreds.**

**7**

**8**



Use the back of this sheet to write down some sequences like this and ask a friend to tell you what the number steps are.



Name: \_\_\_\_\_ Class: \_\_\_\_\_

Starting with the first number, follow the instructions and fill in the missing numbers.

Count on in tens.

1

234 → 244 → 254 → 264 → 274

2

199 → 209 → 219 → 229 → 239

Count back in tens.

3

356 → 346 → 336 → 326 → 316

4

867 → 857 → 847 → 837 → 827

Count on in hundreds.

5

148 → 248 → 348 → 448 → 548

6

490 → 590 → 690 → 790 → 890

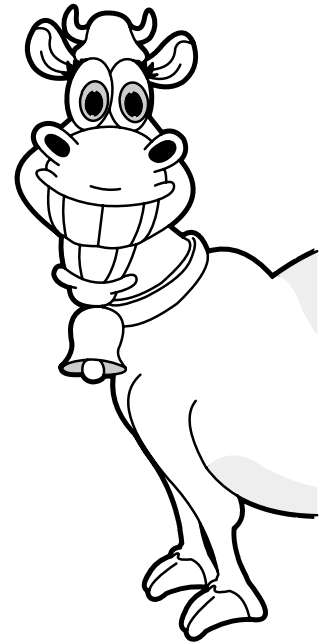
Count back in hundreds.

7

490 → 390 → 290 → 190 → 90

8

679 → 579 → 479 → 379 → 279



Use the back of this sheet to write down some sequences like this and ask a friend to tell you what the number steps are.



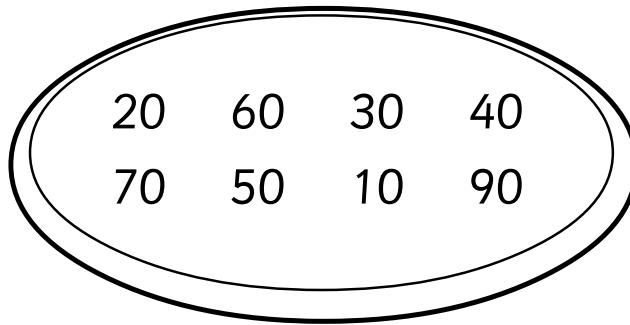
# Spin a Ring

## Activity Sheet

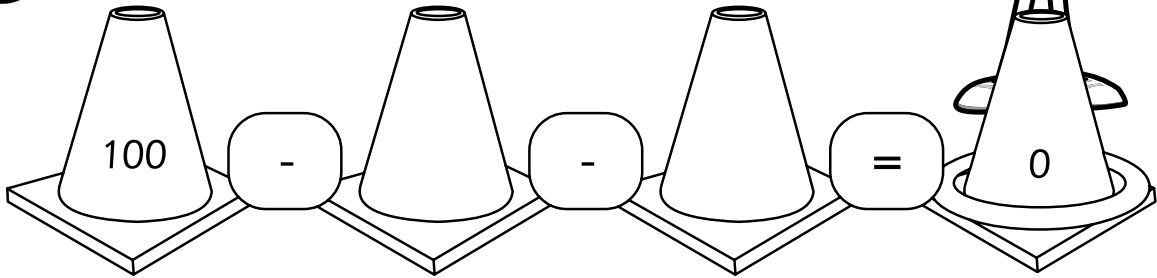


Name: \_\_\_\_\_ Class: \_\_\_\_\_

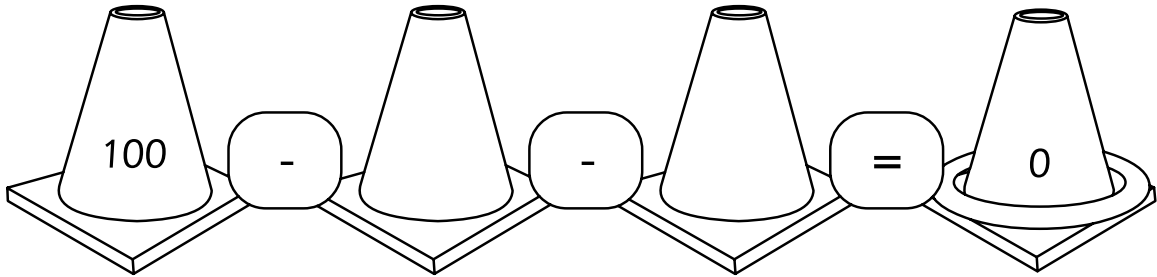
Choose two numbers from the hoop below that, when subtracted from 100, will equal 0.  
Write your answers in the cones.



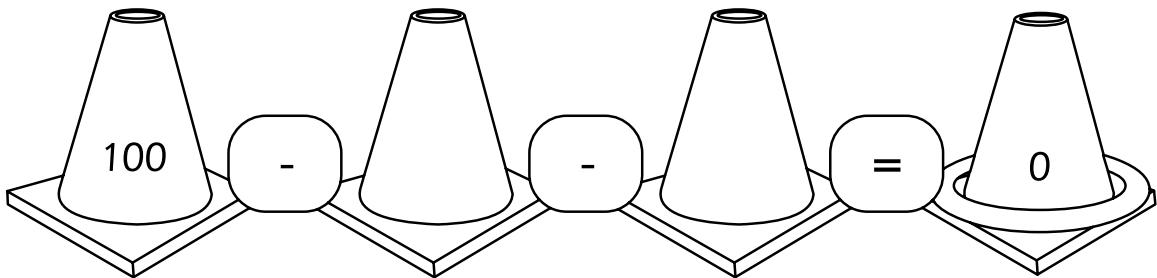
1



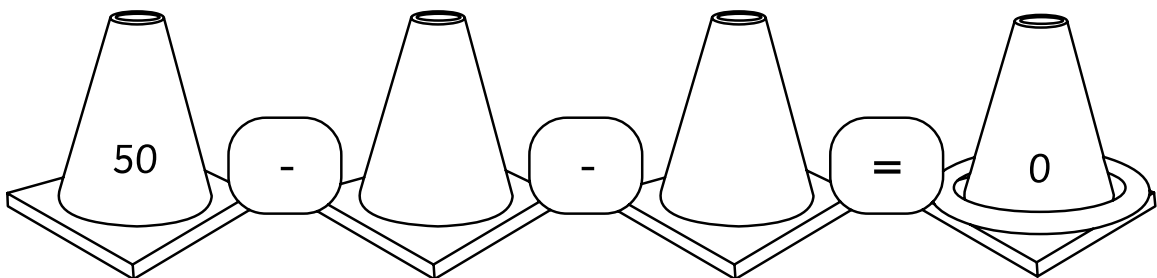
2



3



Now write two numbers in the cones that you can subtract from 50 to equal 0.





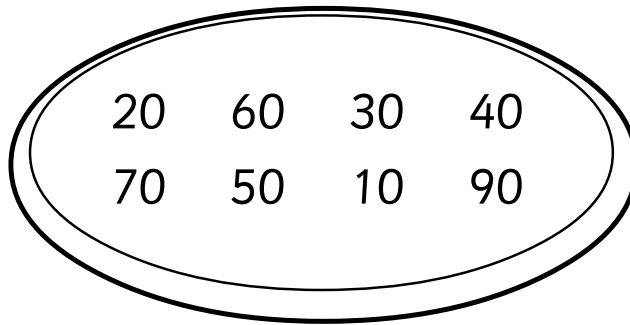
# Spin a Ring

## Activity Sheet

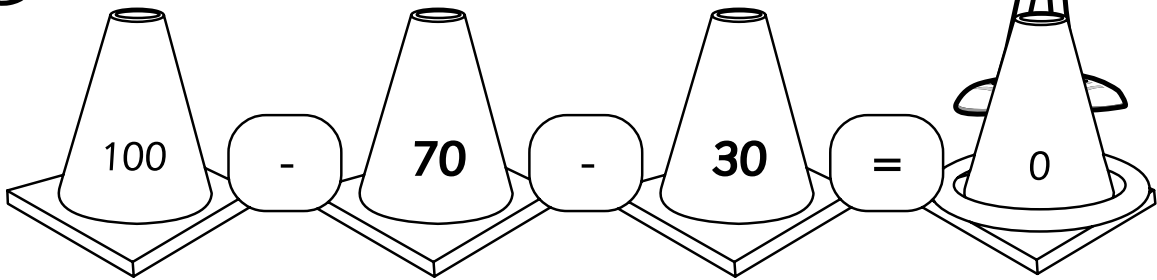


Name: \_\_\_\_\_ Class: \_\_\_\_\_

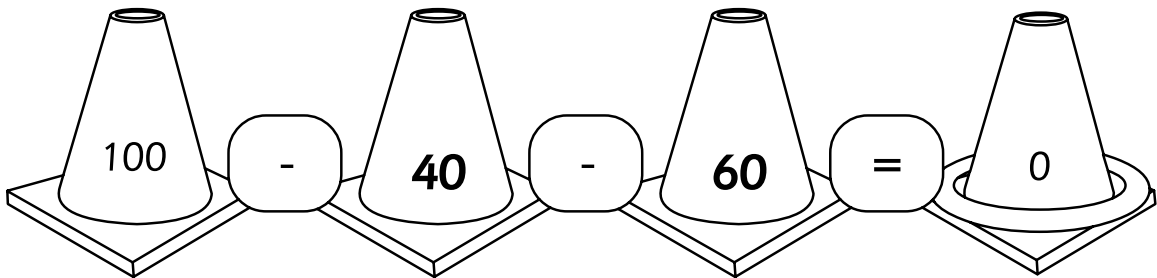
Choose two numbers from the hoop below that, when subtracted from 100, will equal 0.  
Write your answers in the cones.



1

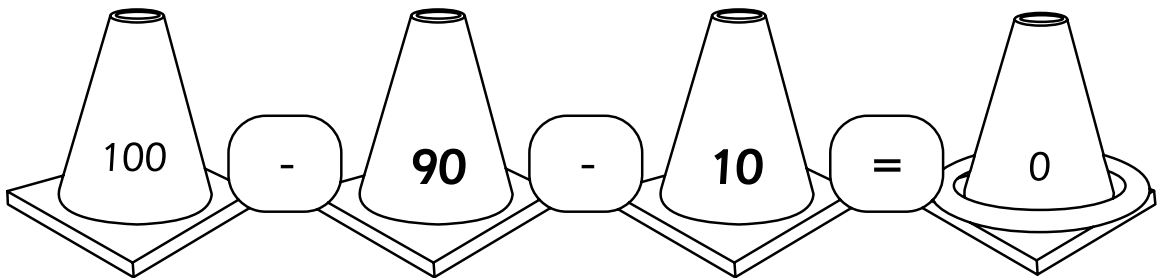


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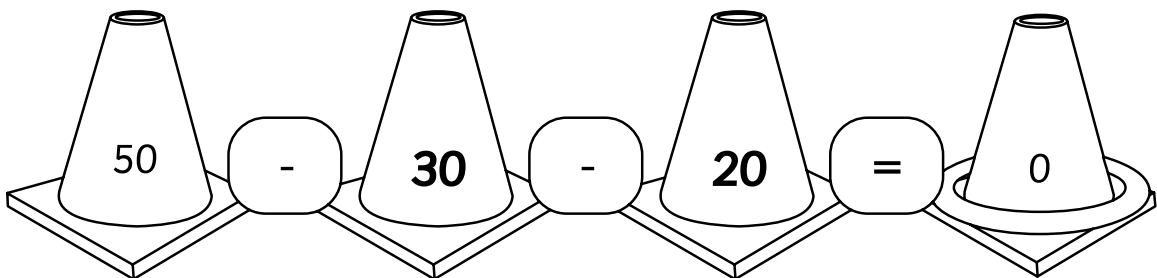


Suggested answers

3



Now write two numbers in the cones that you can subtract from 50 to equal 0.







# Jack in the Box

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Granny has made some cakes for Stig, but has decided that he has to answer some questions before he can eat them. Fill in the missing numbers below and work out the number sequence or there's no cake for Stig!

**1**

What is the number sequence? \_\_\_\_\_

Granny has decided that sequence is too easy for Stig, so here's another one.

**2**

What is the number sequence? \_\_\_\_\_

Granny has decided Stig has one last sequence to work out before he gets a plate of gooey cakes.

**3**

What is the number sequence? \_\_\_\_\_

Now make up your own numbers to go with these number sequences.

The number sequence is add 8

**4**

The number sequence is add 6

**5**





# Jack in the Box

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Granny has made some cakes for Stig, but has decided that he has to answer some questions before he can eat them. Fill in the missing numbers below and work out the number sequence or there's no cake for Stig!

**1**

68      75      82      89      96

What is the number sequence?           Add 7          

Granny has decided that sequence is too easy for Stig, so here's another one.

**2**

63      74      85      96      107

What is the number sequence?           Add 11          

Granny has decided Stig has one last sequence to work out before he gets a plate of gooey cakes.

**3**

55      64      73      82      91

What is the number sequence?           Add 9          

Now make up your own numbers to go with these number sequences.

The number sequence is add 8

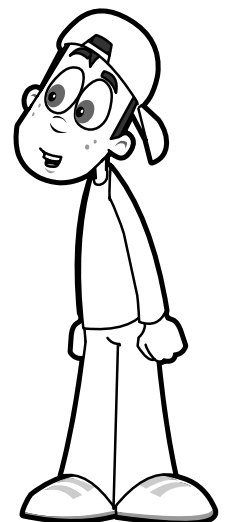
**4**

50      58      66      74      82

The number sequence is add 6

**5**

34      40      46      52      58





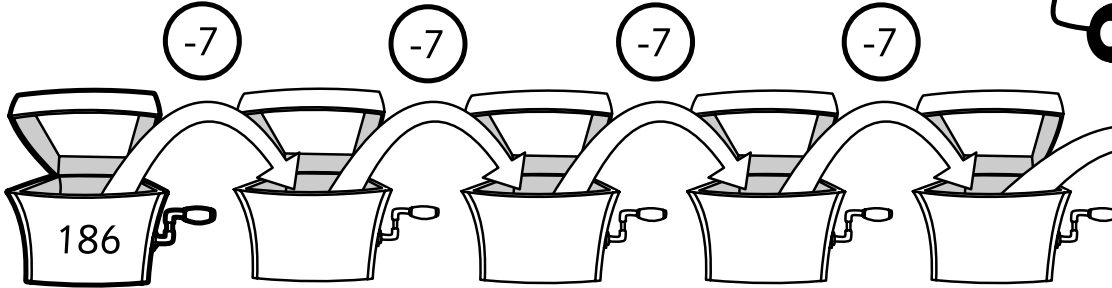
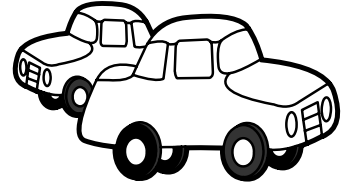
# Jack in the Box

Activity Sheet

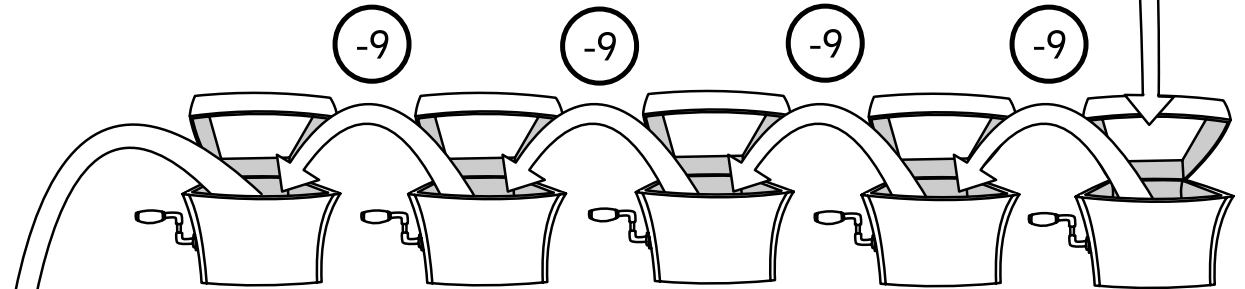
Name: \_\_\_\_\_ Class: \_\_\_\_\_

Manu has decided to make a game. Use the rules to help you play Manu's game.

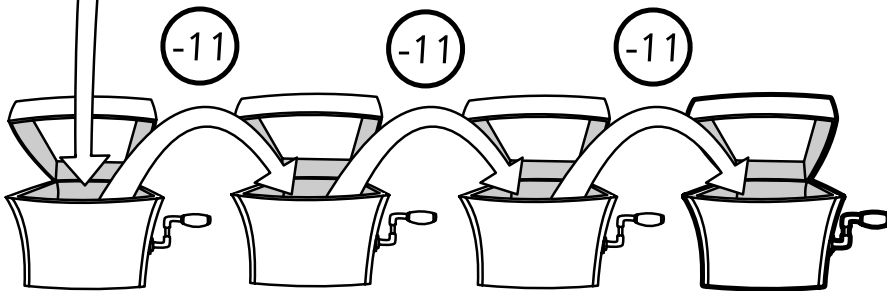
Start at 186 and count back 7



Carry on, but this time count back 9



Now count back 11





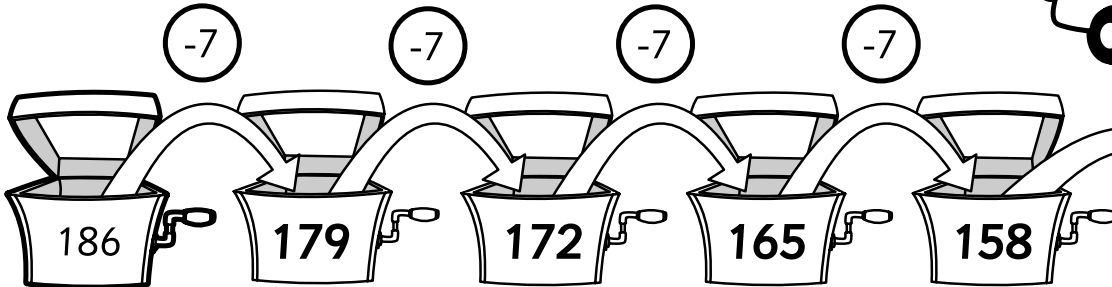
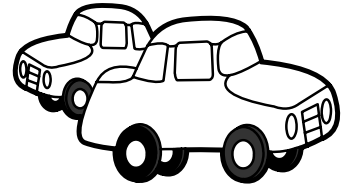
# Jack in the Box

Activity Sheet

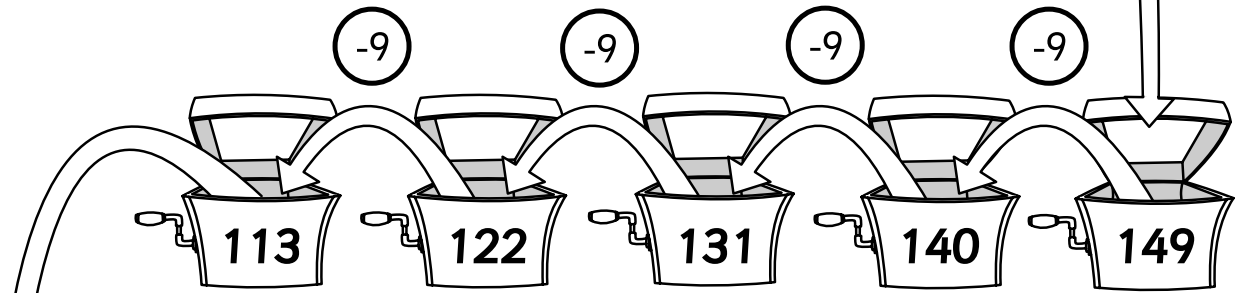
Name: \_\_\_\_\_ Class: \_\_\_\_\_

Manu has decided to make a game. Use the rules to help you play Manu's game.

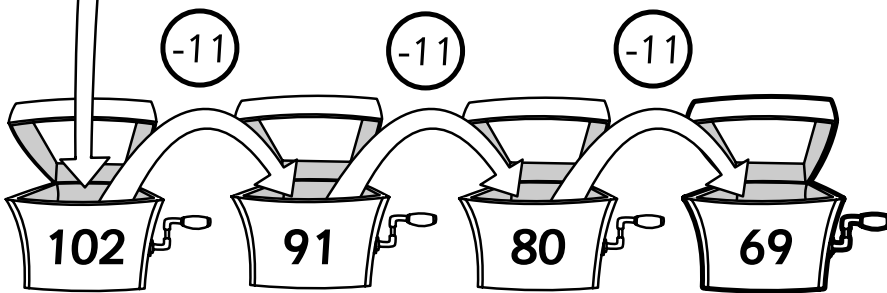
Start at 186 and count back 7



Carry on, but this time count back 9







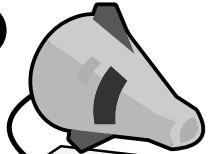
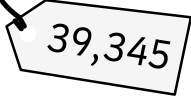
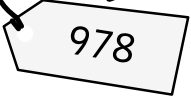
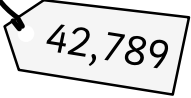
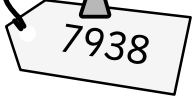

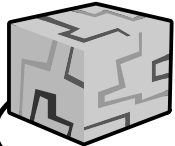

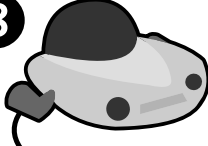


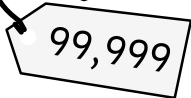
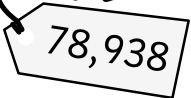
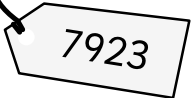


Now count back 11










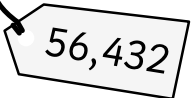


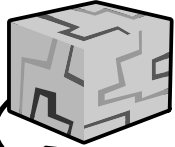





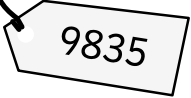
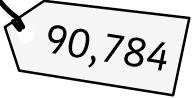

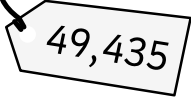


Name: \_\_\_\_\_ Class: \_\_\_\_\_

Increase the cost of each alien spaceship by 1000.

|          |  |          |  |          |  |          |   |           |  |
|----------|--|----------|--|----------|--|----------|---|-----------|--|
| <b>1</b> |         | <b>2</b> |         | <b>3</b> |         | <b>4</b> |        | <b>5</b>  |       |
|          |  39,345 |          |  978    |          |  42,789 |          |  7938  |           |  421  |
| _____    |  |          |  |          |  |          |   |           |  |
| <b>6</b> |         | <b>7</b> |         | <b>8</b> |         | <b>9</b> |         | <b>10</b> |       |
|          |  99,999 |          |  78,938 |          |  7923   |          |  21,004 |           |  9989 |
| _____    |  |          |  |          |  |          |   |           |  |

Decrease the cost of each alien spaceship by 1000.

|           |  |           |  |           |  |           |   |           |  |
|-----------|--|-----------|--|-----------|--|-----------|---|-----------|--|
| <b>11</b> |         | <b>12</b> |         | <b>13</b> |         | <b>14</b> |          | <b>15</b> |         |
|           |  4098   |           |  70,045 |           |  56,432 |           |  100,000 |           |  20,391 |
| _____     |  |           |  |           |  |           |   |           |  |
| <b>16</b> |         | <b>17</b> |         | <b>18</b> |         | <b>19</b> |           | <b>20</b> |         |
|           |  50,000 |           |  9835   |           |  90,784 |           |  3245     |           |  49,435 |
| _____     |  |           |  |           |  |           |   |           |  |

Count on from each of these numbers in thousands.







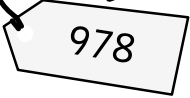
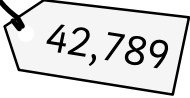
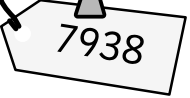

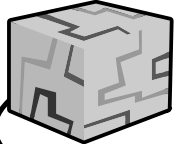

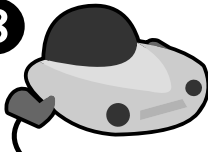


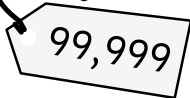
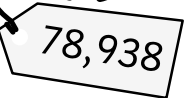
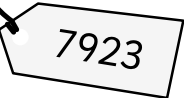
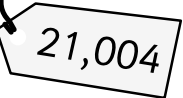

- 21** 798, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 22** 59,879, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 23** 9999, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_










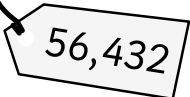


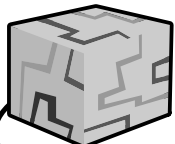

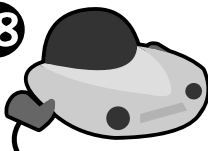



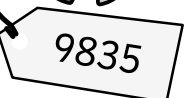
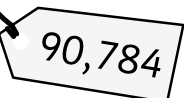

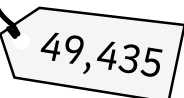


Name: \_\_\_\_\_ Class: \_\_\_\_\_

Increase the cost of each alien spaceship by 1000.

|          |   |          |   |          |   |          |   |           |   |
|----------|---|----------|---|----------|---|----------|---|-----------|---|
| <b>1</b> |  | <b>2</b> |  | <b>3</b> |  | <b>4</b> |  | <b>5</b>  |  |
|          |  |          |  |          |  |          |  |           |  |
|          | <u>40,345</u>   |          | <u>1978</u>   |          | <u>43,789</u>   |          | <u>8938</u>   |           | <u>1421</u>   |
| <b>6</b> |  | <b>7</b> |  | <b>8</b> |  | <b>9</b> |   | <b>10</b> |  |
|          |  |          |  |          |  |          |  |           |  |
|          | <u>100,999</u>  |          | <u>79,938</u>   |          | <u>8923</u>   |          | <u>22,004</u>   |           | <u>10,989</u>   |

Decrease the cost of each alien spaceship by 1000.

|           |   |           |   |           |   |           |   |           |   |
|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| <b>11</b> |  | <b>12</b> |  | <b>13</b> |  | <b>14</b> |  | <b>15</b> |  |
|           |  |           |  |           |  |           |  |           |  |
|           | <u>3098</u>   |           | <u>69,045</u>   |           | <u>55,432</u>   |           | <u>99,000</u>   |           | <u>19,391</u>   |
| <b>16</b> |  | <b>17</b> |  | <b>18</b> |  | <b>19</b> |   | <b>20</b> |  |
|           |  |           |  |           |  |           |  |           |  |
|           | <u>49,000</u>   |           | <u>8835</u>   |           | <u>89,784</u>   |           | <u>2245</u>   |           | <u>48,435</u>   |

Count on from each of these numbers in thousands.

- 21** 798, 1798 , 2798 , 3798 , 4798 , 5798
- 22** 59,879, 60,879 , 61,879 , 62,879 , 63,879 , 64,879
- 23** 9999, 10,999 , 11,999 , 12,999 , 13,999 , 14,999



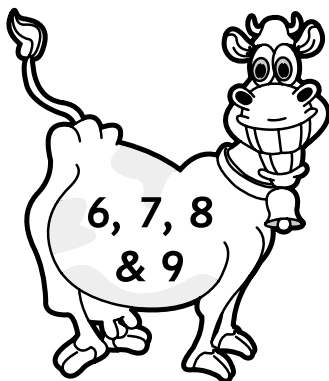


Name: \_\_\_\_\_ Class: \_\_\_\_\_

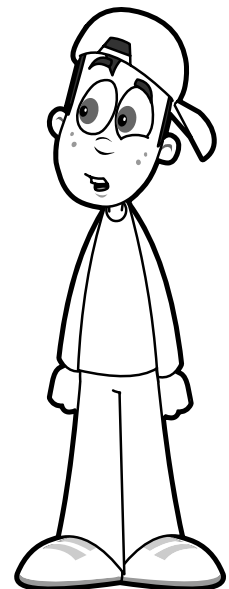
Mrs. Cow's bucket is hiding a missing number in these number sequences.  
Write in the missing numbers.

|          |     |     |     |     |     |           |    |    |     |     |     |
|----------|-----|-----|-----|-----|-----|-----------|----|----|-----|-----|-----|
| <b>1</b> | 28  | 37  | 46  | 55  |     | <b>2</b>  | 79 | 73 | 67  | 61  |     |
| <b>4</b> | 17  | 10  | 3   | -4  |     | <b>3</b>  |    | 36 | 47  | 58  | 69  |
| <b>5</b> | -24 | -16 | -8  |     | 8   | <b>6</b>  | 99 |    | 121 | 132 | 143 |
| <b>7</b> | 83  | 89  |     | 101 | 107 | <b>8</b>  | 67 | 58 |     | 40  | 31  |
| <b>9</b> |     | 107 | 115 | 123 | 131 | <b>10</b> | 7  |    | -5  | -11 | -17 |

Look at the numbers on Mrs Cow. Starting at 0, count up in twos and colour these numbers in red. Choose different colours and do the same for sixes, sevens, eights, nines and elevens.



|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 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 | 70  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



All of the even numbers are coloured on the grid. Explain why.



\_\_\_\_\_



\_\_\_\_\_







Name: \_\_\_\_\_ Class: \_\_\_\_\_




Mrs. Cow's bucket is hiding a missing number in these number sequences.  
Write in the missing numbers.

1 28 37 46 55  2 79 73 67 61 

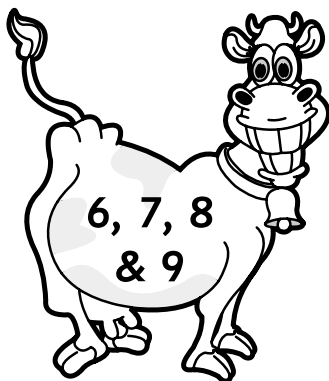
4 17 10 3 -4  3  36 47 58 69

5 -24 -16 -8  8 6 99  121 132 143

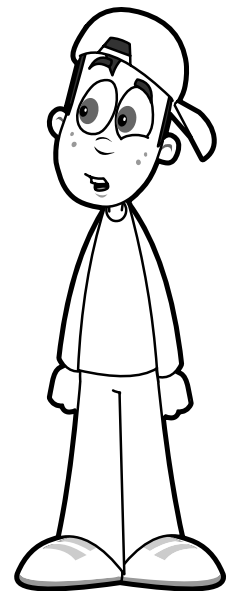
7 83 89  101 107 8 67 58  40 31

9  107 115 123 131 10  7  -11 -17

Look at the numbers on Mrs Cow. Starting at 0, count up in twos and colour these numbers in red. Choose different colours and do the same for sixes, sevens, eights, nines and elevens.



|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 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 | 70  |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90  |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |



All of the even numbers are coloured on the grid. Explain why.

**All of the even numbers are multiples of two.**

**Suggested answer**





# Mrs Cow's Milk

## Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Mrs Cow's bucket is hiding a missing number in these number sequences.  
Write in the missing numbers.

1

2

3

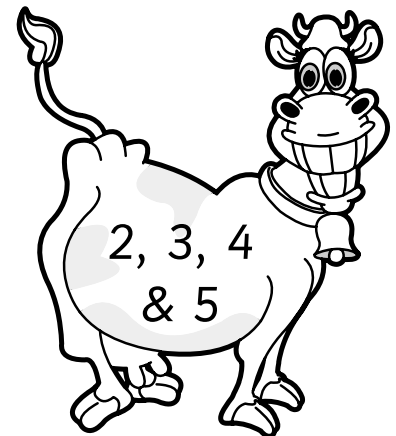
4

5



Look at the numbers on Mrs Cow. Starting with 0, count up in twos and colour these numbers in blue. Choose different colours and do the same for threes, fours and fives.

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 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 |



Which numbers are not coloured in?



Name: \_\_\_\_\_ Class: \_\_\_\_\_

Mrs Cow's bucket is hiding a missing number in these number sequences.  
Write in the missing numbers.

1

2

3

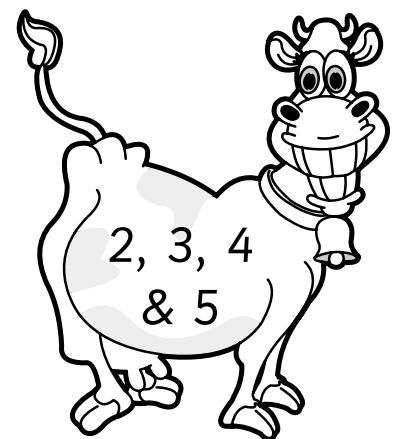
4

5



Look at the numbers on Mrs Cow. Starting with 0, count up in twos and colour these numbers in blue. Choose different colours and do the same for threes, fours and fives.

|    |    |    |    |    |    |    |    |    |     |
|----|----|----|----|----|----|----|----|----|-----|
| 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 |



Which numbers are not coloured in?

1, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47,  
49, 53, 59, 61, 67, 71, 73, 77, 79, 83, 89, 91, 97

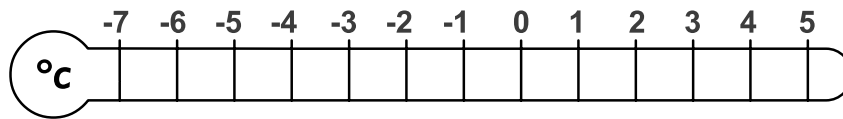


# Slippery Slope

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the number line to help you answer the questions below.  
One has been done for you.



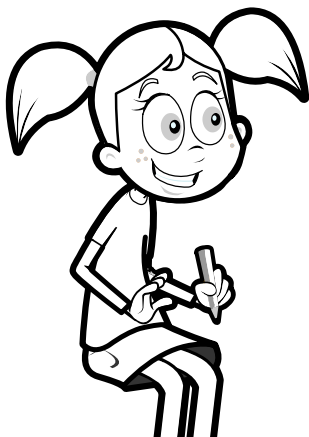
- 1 What temperature comes below  $-3^{\circ}\text{C}$ ? .....  $-4^{\circ}\text{C}$  .....
- 2 What number comes between  $-2^{\circ}\text{C}$  and  $-4^{\circ}\text{C}$ ? .....
- 3 How many degrees below  $5^{\circ}\text{C}$  is  $-5^{\circ}\text{C}$ ? .....
- 4 What temperature comes below  $4^{\circ}\text{C}$ ? .....
- 5 What temperature comes after  $0^{\circ}\text{C}$ ? .....
- 6 Paris is  $2^{\circ}\text{C}$  colder than  $3^{\circ}\text{C}$ .  
What is the temperature of Paris? .....
- 7 Which is the warmest temperature?  $-7^{\circ}\text{C}$ ,  $-5^{\circ}\text{C}$ ,  $-1^{\circ}\text{C}$ ? .....
- 8 The temperature in London is  $-4^{\circ}\text{C}$  and the temperature of Glasgow is  $-2^{\circ}\text{C}$ .  
Which city is the coldest? .....



Circle the words in the wordsearch. One has been done for you.

- winter
- hot
- icy
- temperature
- weather
- thermometer
- degrees
- freezing
- celsius
- frost

|   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| f | a | o | i | t | g | n | o | u | r | s | t | s |
| i | n | i | a | x | q | h | c | e | u | o | n | r |
| r | r | p | q | t | k | m | t | i | q | s | t | r |
| a | a | t | o | l | a | n | s | c | f | f | e | a |
| o | z | s | s | a | i | l | i | y | r | t | m | w |
| d | w | d | s | w | e | a | t | h | e | r | p | n |
| e | e | e | v | c | d | r | e | m | e | f | e | a |
| o | r | r | a | d | e | s | o | a | z | c | r | o |
| e | e | n | d | d | g | m | r | r | i | d | a | r |
| p | g | t | e | f | r | o | s | t | n | i | t | d |
| i | w | x | w | e | e | n | o | a | g | e | u | x |
| o | s | o | h | b | e | h | d | s | r | s | r | a |
| e | r | t | e | f | s | v | o | o | j | w | e | r |



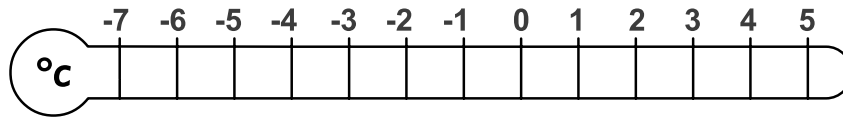


# Slippery Slope

Activity Sheet

Name: \_\_\_\_\_ Class: \_\_\_\_\_

Use the number line to help you answer the questions below.  
One has been done for you.

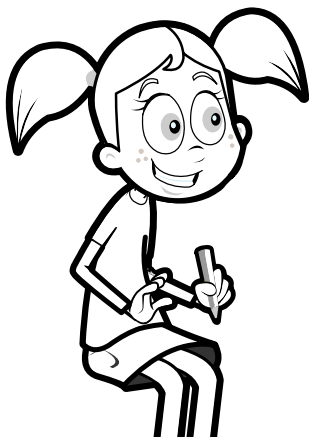


- ① What temperature comes below  $-3^{\circ}\text{C}$ ? .....  **$-4^{\circ}\text{C}$**  .....
- ② What number comes between  $-2^{\circ}\text{C}$  and  $-4^{\circ}\text{C}$ ? .....  **$-3^{\circ}\text{C}$**  .....
- ③ How many degrees below  $5^{\circ}\text{C}$  is  $-5^{\circ}\text{C}$ ? ..... **10** .....
- ④ What temperature comes below  $4^{\circ}\text{C}$ ? .....  **$3^{\circ}\text{C}$**  .....
- ⑤ What temperature comes after  $0^{\circ}\text{C}$ ? ..... **1** .....
- ⑥ Paris is  $2^{\circ}\text{C}$  colder than  $3^{\circ}\text{C}$ .  
What is the temperature of Paris? .....  **$1^{\circ}\text{C}$**  .....
- ⑦ Which is the warmest temperature?  $-7^{\circ}\text{C}$ ,  $-5^{\circ}\text{C}$ ,  $-1^{\circ}\text{C}$ ? .....  **$5^{\circ}\text{C}$**  .....
- ⑧ The temperature in London is  $-4^{\circ}\text{C}$  and the temperature of Glasgow is  $-2^{\circ}\text{C}$ .  
Which city is the coldest? ..... **London** .....



Circle the words in the wordsearch. One has been done for you.

- winter
- hot
- icy
- temperature
- weather
- thermometer
- degrees
- freezing
- celsius
- frost



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# About EducationCity

EducationCity produces fun, educational materials to engage students in learning and empower teachers to tailor their teaching. [Take a look at how EducationCity can support you in the classroom:](#)



## Target Lesson Objectives Easily

Find relevant content that links to your curriculum by using our Curriculum Map or Search tool.

Comprehensive and clearly organised by strand, content is so easy to access!



## Plan in Advance

When planning your lessons, choose your Activities in advance and put them into a MyCity so they're easy for students to access. Choose a meaningful name for each MyCity and you'll be able to update and retrieve them year after year!



## Differentiated Teaching

Monitor progress with SuccessTracker and you'll be able to identify the strengths and areas of development for each of your students and so choose relevant activities to help them progress.



## Flexible Learning

EducationCity is accessible via desktops, laptops, tablets and whiteboards, so can support you whatever equipment is available in your classroom.



## Lesson Plans

Access our ready-made Lesson Plans, topical content and Teacher Resource Pack to support teaching and learning in the classroom.

There's more to EducationCity than Activities alone!



## Blog

Keep abreast of events in the teaching arena, changes to the resource, and see how EducationCity is supporting the education community.



**"Teachers have been delighted with the content of this package and most impressed with how easy it is to find appropriate learning and teaching resources and then to use them in a variety of ways."**

**Mark Sanderson,**

Senior ICT Consultant, Herefordshire Learning and Achievement Service

## Want to find out more about EducationCity?

Start a free trial for your school today and see it for yourself. Simply call us on +44 (0)1572 725080 or email [trials@EducationCity.com](mailto:trials@EducationCity.com) to arrange.

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