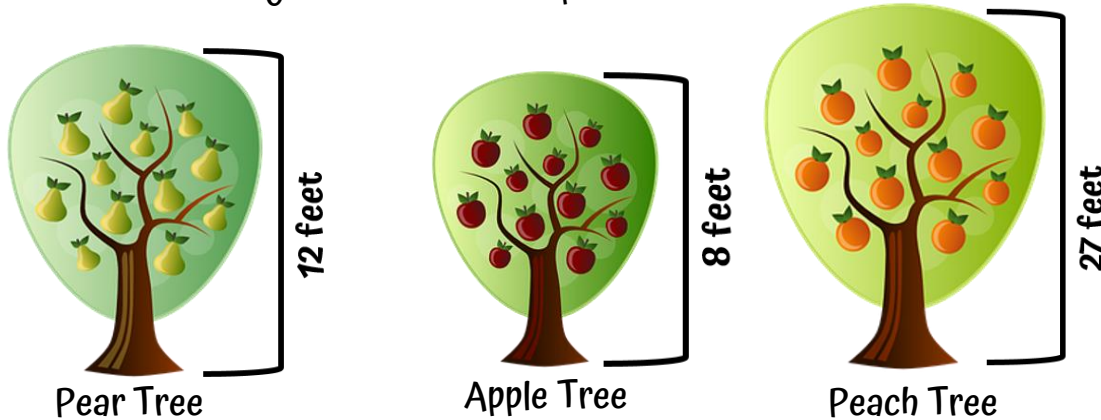# Clue One

Directions: Look at the diagrams of the trees. Use the diagram to solve the word problems below. Then use your decoder and the digit in the **ONES** place to find the word clue.

Pear Tree — 12 feet

Apple Tree — 8 feet

Peach Tree — 27 feet

1. How much taller is the tallest tree from the shortest tree?

2. How tall are both the pear and the apple trees together?

3. How tall would two peach trees be?

4. How much shorter is the pear tree from the peach tree?

5. How tall are all of the trees?

1. ☐ 2. ☐ 3. ☐ 4. ☐ 5. ☐

Clue Two

Directions: Solve the addition problems in the chart. Where the equation and the answer meet, gives the number for the decoder. Then use the decoder to find the word clue.

	91	116	160	159	61	117	94
16 + 45 =	2	4	6	7	8	9	0
79 + 37 =	5	1	5	7	4	3	2
48 + 43 =	0	3	2	1	3	5	1
56 + 38 =	8	4	6	2	7	1	5
63 + 96 =	0	1	7	4	5	2	3
86 + 74 =	9	1	7	5	4	0	8
64 + 53 =	2	8	3	1	5	9	4

Decoder

0 - A
1 - R
2 - M
3 - S
4 - T
5 - C
6 - E
7 - O
8 - T
9 - R

1.
2.
3.
4.
5.
6.
7.

Clue Three

Directions: Solve each addition equation. Then use your decoder and the digit in the **ONES** place to find the word clue.

1.

34
+23
_____

2.

42
+31
_____

3.

24
+66
_____

4.

63
+32
_____

5.

45
+34
_____

6.

22
+74
_____

1.

2.

3.

4.

5.

6.

Clue Four

Directions: Solve each number puzzle by placing a counter on the tens charts. You will be left with one number uncovered. Then use your decoder and the digit in the **ONES** place to find the word clue.

1.
1. all the odd numbers
2. three plus five
3. ten take away eight
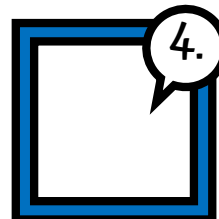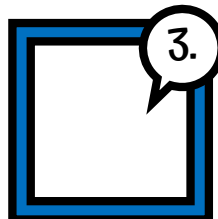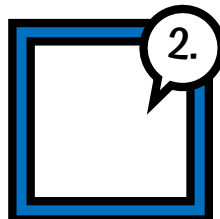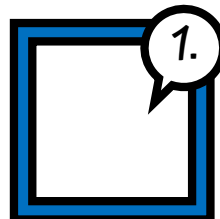4. numbers with double digits
5. half of twelve

2.
1. all the even numbers
2. half of fourteen
3. nine minus eight
4. three more than two
5. sides of a triangle

3.
1. add three more to five
2. sides of a square
3. odd numbers
4. double three
5. numbers with a single digit

4.
1. double 5
2. odd numbers
3. four plus four
4. ten take away 8
5. sides of a rectangle

Decoder

0 - R
1 - E
2 - U
3 - I
4 - B
5 - T
6 - N
7 - S
8 - P
9 - A

1.
2.
3.
4.

Clue Four

1.

1	2	3	4	5	6	7	8	9	10

2.

1	2	3	4	5	6	7	8	9	10

3.

1	2	3	4	5	6	7	8	9	10

4.

1	2	3	4	5	6	7	8	9	10

Clue Five

Directions: Find the correct expanded form answer to the given number. Use the number next to the correct answer on the decoder to find the word clue.

436 1.

7 40 + 30 + 6
3 400 + 30 + 6
5 400 + 3 + 6

708 2.

0 700 + 80
4 70 + 8
8 700 + 8

619 3.

0 600 + 10 + 9
5 600 + 1 + 9
1 600 + 100 + 9

590 4.

9 500 + 90 + 10
1 500 + 9 + 10
5 500 + 90

937 5.

6 900 + 3 + 7
9 900 + 30 + 7
7 90 + 30 + 7

Decoder

0 - E
1 - T
2 - D
3 - F
4 - S
5 - L
6 - A
7 - H
8 - I
9 - D

1. 2. 3. 4. 5.

Clue Six

Directions: Use the bar graph to solve each word problem below. Then use your decoder and the digit in the **ONES** place to find the word clue.

1. How many chickens and horses are there?

2. How many more cows are there than horses?

3. How many sheep, deer and chickens altogether?

4. How many more Cows are there compared to sheep?

5. How many cows and deer are there?

6. How many more chickens and sheep are there than cows?

Decoder

0 - T
1 - W
2 - P
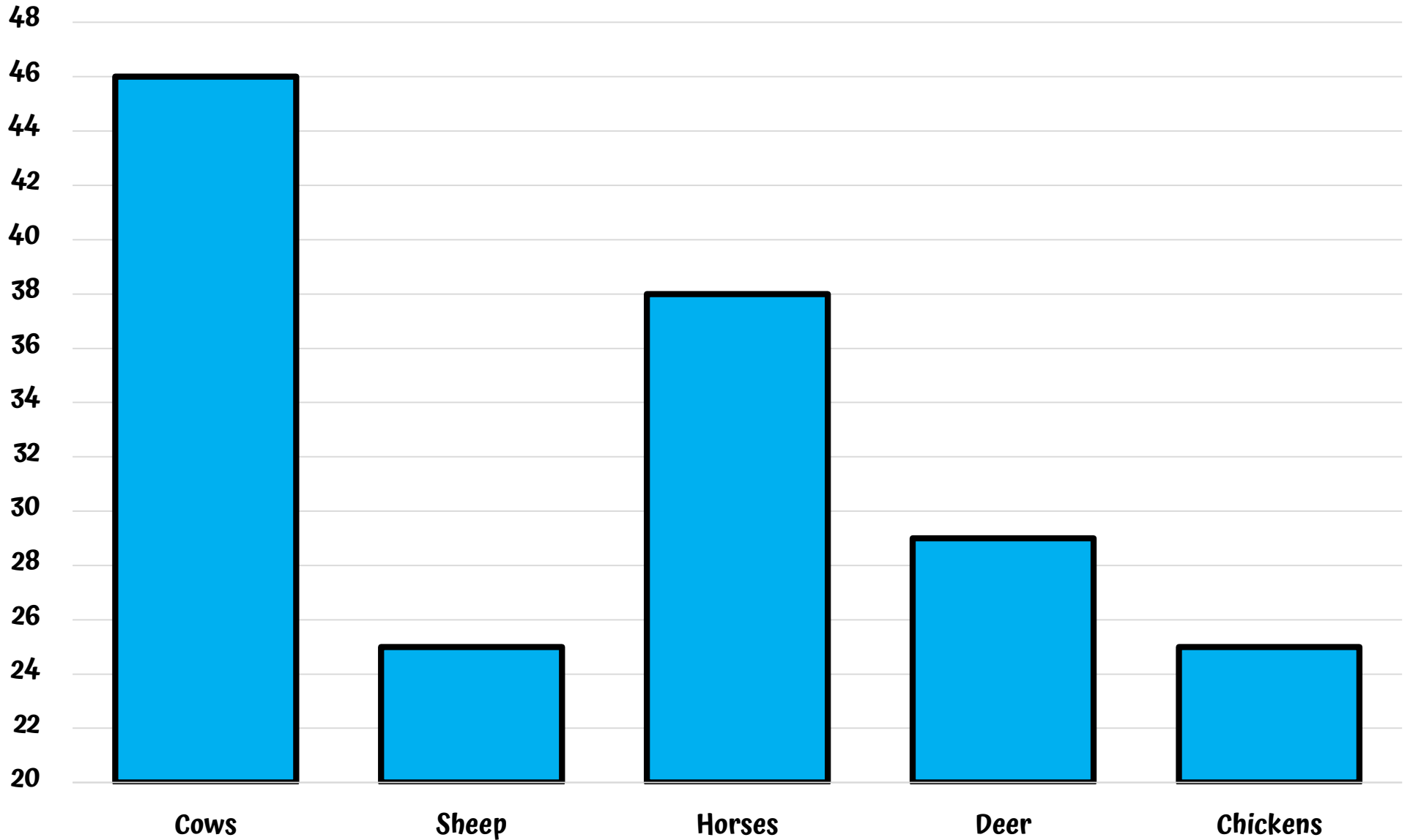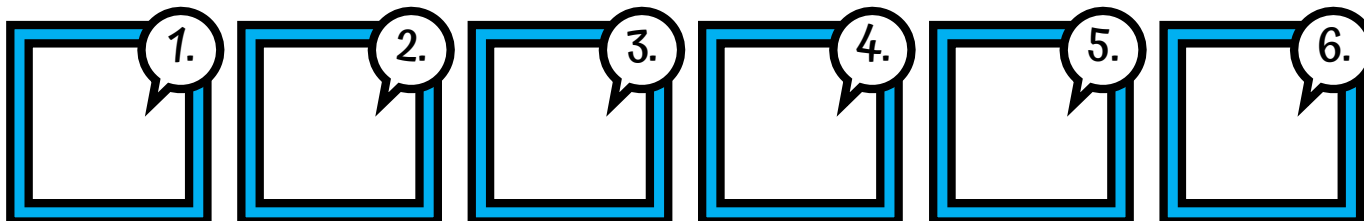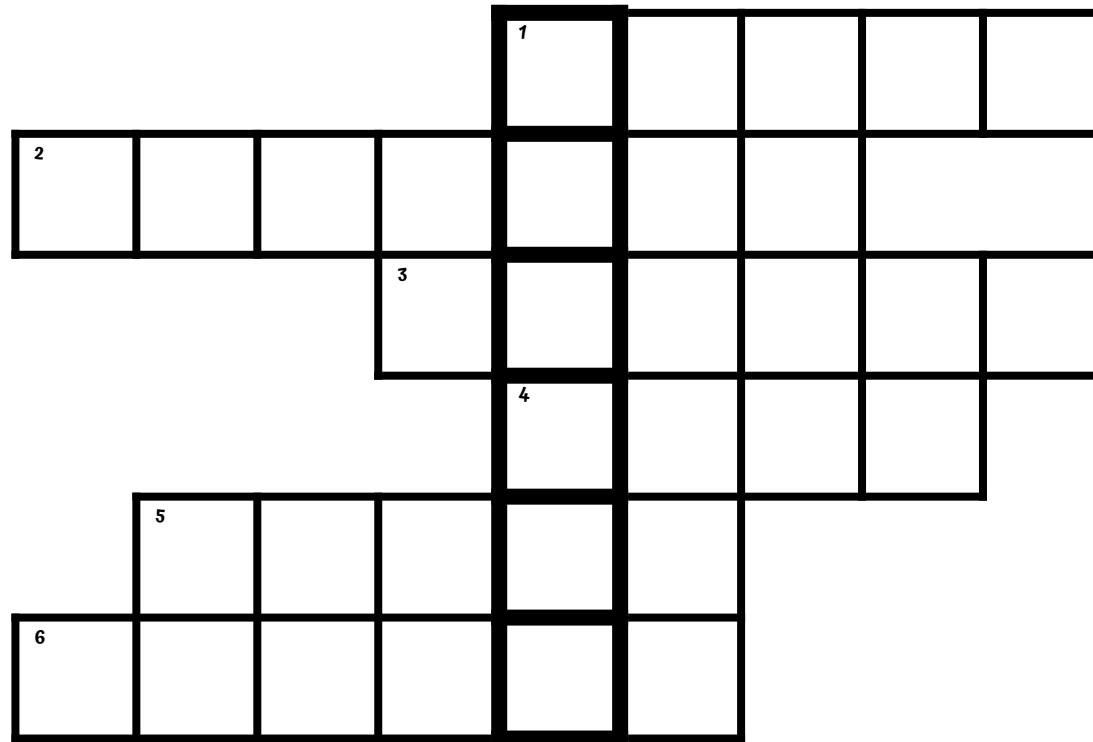3 - G
4 - R
5 - E
6 - S
7 - A
8 - R
9 - O

1.

2.

3.

4.

5.

6.

Clue Six

Types of Animals on the Farm

| Animal	Count
Cows	46
Sheep	25
Horses	38
Deer	29
Chickens	25

Secret Word

Directions: After completing all of the clues, place the words you have discovered into the puzzle below to uncover where the farm animals are.

1. 2. 3. 4. 5. 6.

Clue One

Directions: Look at the diagrams of the trees. Use the diagram to solve the word problems below. Then use your decoder and the digit in the **ONES** place to find the word clue.

Pear Tree — 12 feet

Apple Tree — 8 feet

Peach Tree — 27 feet
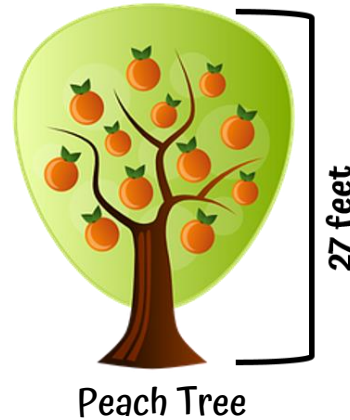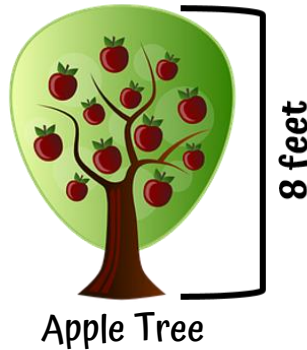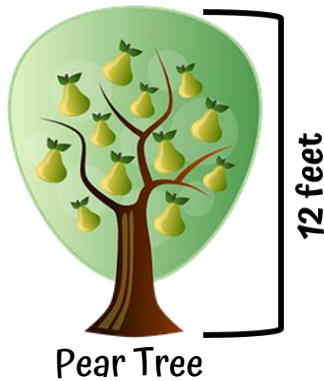
Decoder

0 - E
1 - T
2 - N
3 - R
4 - E
5 - D
6 - H
7 - S
8 - A
9 - S

1. How much taller is the tallest tree from the shortest tree? 19

2. How tall are both the pear and the apple trees together? 20

3. How tall would two peach trees be? 54

4. How much shorter is the pear tree from the peach tree? 15

5. How tall are all of the trees? 47 feet

1. S

2. E

3. E

4. D

5. S

Clue Two

Directions: Solve the addition problems in the chart. Where the equation and the answer meet, gives the number for the decoder. Then use the decoder to find the word clue.

	91	116	160	159	61	117	94
16 + 45 =	2	4	6	7	**8**	9	0
79 + 37 =	5	**1**	5	7	4	3	2
48 + 43 =	0	3	2	1	3	5	1
56 + 38 =	8	4	6	2	7	1	**5**
63 + 96 =	0	1	7	**4**	5	2	3
86 + 74 =	9	1	**7**	5	4	0	8
64 + 53 =	2	8	3	1	5	**9**	4

Decoder

0 - A
1 - R
2 - M
3 - S
4 - T
5 - C
6 - E
7 - O
8 - T
9 - R

1. **T**
2. **R**
3. **A**
4. **C**
5. **T**
6. **O**
7. **R**

Clue Three

Directions: Solve each addition equation. Then use your decoder and the digit in the **ONES** place to find the word clue.

1.
$$34 + 23 = 57$$

2.
$$42 + 31 = 73$$

3.
$$24 + 66 = 90$$

4.
$$63 + 32 = 95$$

5.
$$45 + 34 = 79$$

6.
$$22 + 74 = 96$$

Decoder

0 - R
1 - S
2 - O
3 - A
4 - T
5 - M
6 - R
7 - F
8 - H
9 - E

1.	2.	3.	4.	5.	6.
F	A	R	M	E	R

Clue Four

Directions: Solve each number puzzle by placing a counter on the tens charts. You will be left with one number uncovered. Then use your decoder and the digit in the **ONES** place to find the word clue.

1.
1. all the odd numbers
2. three plus five
3. ten take away eight
4. numbers with double digits
5. half of twelve

2.
1. all the even numbers
2. half of fourteen
3. nine minus eight
4. three more than two
5. sides of a triangle

3.
1. add three more to five
2. sides of a square
3. odd numbers
4. double three
5. numbers with a single digit

4.
1. double 5
2. odd numbers
3. four plus four
4. ten take away 8
5. sides of a rectangle

Decoder

0 - R
1 - E
2 - U
3 - I
4 - B
5 - T
6 - N
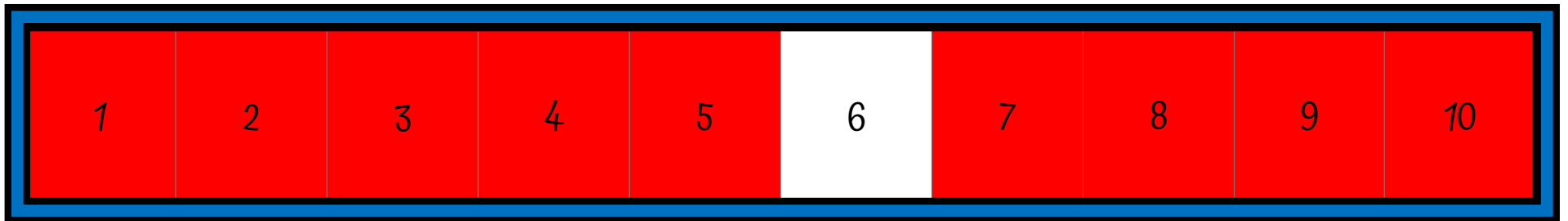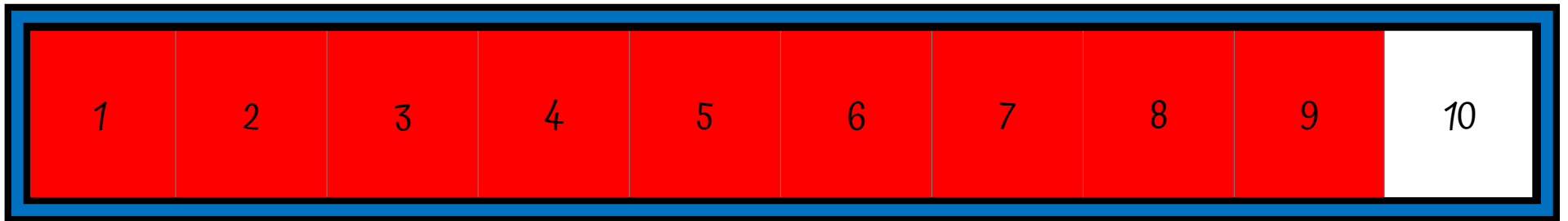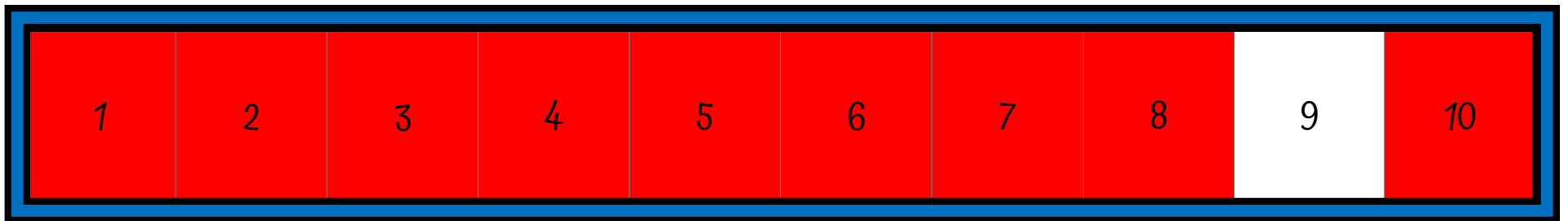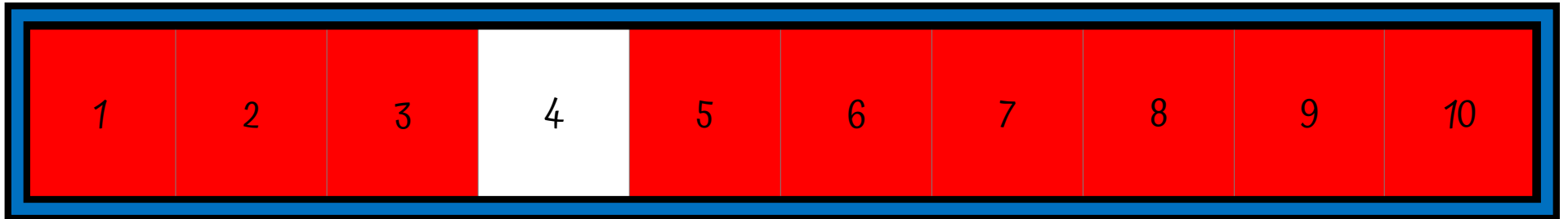7 - S
8 - P
9 - A

1. B **2.** A **3.** R **4.** N

Clue Four

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

Clue Five

Directions: Find the correct expanded form answer to the given number. Use the number next to the correct answer on the decoder to find the word clue.

1.
436

7 40 + 30 + 6
3 400 + 30 + 6
5 400 + 3 + 6

2.
708

0 700 + 80
4 70 + 8
8 700 + 8

3.
619

0 600 + 10 + 9
5 600 + 1 + 9
1 600 + 100 + 9

4.
590

9 500 + 90 + 10
1 500 + 9 + 10
5 500 + 90

5.
937

6 900 + 3 + 7
9 900 + 30 + 7
7 90 + 30 + 7

Decoder

0 - E
1 - T
2 - D
3 - F
4 - S
5 - L
6 - A
7 - H
8 - I
9 - D

1. **F**
2. **I**
3. **E**
4. **L**
5. **D**

Clue Six

Directions: Use the bar graph to solve each word problem below. Then use your decoder and the digit in the **ONES** place to find the word clue.

1. How many chickens and horses are there?

63

2. How many more cows are there than horses?

8

3 How many sheep, deer and chickens altogether?

79

4. How many more Cows are there compared to sheep?

21

5. How many cows and deer are there?

75

6. How many more chickens and sheep are there than cows?

4

Decoder

0 - T
1 - W
2 - P
3 - G
4 - R
5 - E
6 - S
7 - A
8 - R
9 - O

1. G
2. R
3. O
4. W
5. E
6. R

Clue Six

Types of Animals on the Farm

48	
46	
44	
42	
40	
38	
36	
34	
32	
30	
28	
26	
24	
22	
20	

Cows   Sheep   Horses   Deer   Chickens

Secret Word

Directions: After completing all of the clues, place the words you have discovered into the puzzle below to uncover where the farm animals are.

			S	E	E	D	S
T	R	A	C	T	O	R	
		F	A	R	M	E	R
			B	A	R	N	
	F	I	E	L	D		
G	R	O	W	E	R		

1.	2.	3.	4.	5.	6.
S	T	A	B	L	E