

Ones & Zeros | The Binary System

Name: _____

Teacher: _____

Date: _____

Guide:

| | | | |
|-----------|-----------|-----------|-----------|
| 8s | 4s | 2s | 1s |
|-----------|-----------|-----------|-----------|

Example:

| | | | | |
|----------|----------|----------|----------|------------|
| 0 | 1 | 0 | 1 | = 5 |
|----------|----------|----------|----------|------------|

Use the guide to decipher the following numbers.

1.

| | | | | |
|----------|----------|----------|----------|----------------|
| 1 | 1 | 1 | 1 | = _____ |
|----------|----------|----------|----------|----------------|

2.

| | | | | |
|----------|----------|----------|----------|----------------|
| 1 | 1 | 0 | 0 | = _____ |
|----------|----------|----------|----------|----------------|

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3.

| | | | |
|---|---|---|---|
| 1 | 1 | 0 | 0 |
|---|---|---|---|

 = _____

4.

| | | | |
|---|---|---|---|
| 0 | 0 | 1 | 1 |
|---|---|---|---|

 = _____

5.

| | | | |
|---|---|---|---|
| 1 | 0 | 0 | 1 |
|---|---|---|---|

 = _____

6. Create your own combination of binary numbers (ones and zeros).

| | | | |
|-------|-------|-------|-------|
| _____ | _____ | _____ | _____ |
|-------|-------|-------|-------|

 = _____