



Minecraft Redstone Code Breaker

Use your math skills to figure out the value of each block and unlock the redstone vault before nightfall.

Name: _____ Date: _____

1 THE KEY

 = 3  = 14  =  =  =  = 15

Every symbol is a whole number from 1 to 15. A number in front of a shape means multiply: 2 stars = 2 x star.

2 FIND THE MISSING VALUES

Some shapes in the key are missing. Use these to work them out, in order, and write them into the key.

 x  = 112

 +  = 14

 +  +  = 36

3 CRACK THESE

1.  x  -  =

2. 3  + 2  =

CODE 1

3. ( + ) x  =

4. ( + ) x  =

CODE 2

5.  x  -  =

6. 100  +  =

CODE 3

7.  x  =

8.  x  +  =

CODE 4

9.  x  +  =

10.  x  =

4 THE VAULT CODE

Write the ONES digit of your answers to problems 2, 4, 6, 8 (the ones tagged CODE 1-4), in that order. That opens the redstone treasure vault.

Answer Key

Minecraft Redstone Code Breaker · Grade 4 Crack the Code

The key

 pentagon = **3**
  star = **14**
  moon = **6** (hidden)
  square = **8** (hidden)
  triangle = **12** (hidden)

 ring = **15**

Every symbol is a whole number from 1 to 15.

- | | | |
|-----|--|------------|
| 1. | $\star \times \blacktriangle - \blacksquare$ (star x triangle - square) | 160 |
| 2. | $3\blacktriangle + 2\blacksquare$ (3 x triangle + 2 x square) | 52 |
| 3. | $(\blacktriangle + \bigcirc) \times \blacksquare$ ((triangle + ring) x square) | 216 |
| 4. | $(\text{pentagon} + \text{moon}) \times \blacktriangle$ ((pentagon + moon) x triangle) | 108 |
| 5. | $\text{pentagon} \times \star - \blacksquare$ (pentagon x star - square) | 34 |
| 6. | $100\blacksquare + \star$ (100 x square + star) | 814 |
| 7. | $\blacktriangle \times \bigcirc$ (triangle x ring) | 180 |
| 8. | $\blacktriangle \times \text{pentagon} + \star$ (triangle x pentagon + star) | 50 |
| 9. | $\star \times \blacksquare + \text{pentagon}$ (star x square + pentagon) | 115 |
| 10. | $\star \times \text{pentagon}$ (star x pentagon) | 42 |

Vault code: 2 8 4 0