|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 97 | 97 | 61 | 31 | 17 | 70 | 81 | 84 | 17 | 17 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 31 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 35 | 35 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 35 | 35 | 99 | 99 | 80 | 45 | 70 | 81 | 84 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 99 | 99 | 17 | 90 | 80 | 45 | 70 | 81 | 84 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 31 | 7 | 25 | 25 | 90 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 59 | 59 | 37 | 37 |
| 97 | 97 | 61 | 31 | 11 | 25 | 25 | 25 | 90 | 80 | 45 | 70 | 81 | 81 | 17 | 59 | 59 | 89 | 89 |
| 97 | 97 | 61 | 31 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 59 | 83 | 83 | 83 |
| 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 83 | 83 | 83 |
| 19 | 19 | 19 | 19 | 40 | 40 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | 50 | 9 | 47 | 47 | 47 | 47 |
| 19 | 19 | 19 | 19 | 4 | 4 | 55 | 55 | 77 | 77 | 77 | 36 | 36 | 50 | 9 | 2 | 2 | 2 | 2 |
| 59 | 59 | 59 | 4 | 4 | 55 | 48 | 48 | 55 | 77 | 36 | 88 | 88 | 36 | 9 | 16 | 23 | 23 | 23 |
| 23 | 23 | 23 | 4 | 4 | 55 | 8 | 8 | 55 | 77 | 36 | 64 | 64 | 36 | 9 | 16 | 53 | 53 | 53 |
| 23 | 23 | 23 | 49 | 49 | 49 | 55 | 55 | 63 | 63 | 63 | 36 | 36 | 10 | 9 | 16 | 7 | 7 | 7 |
| 29 | 29 | 29 | 49 | 49 | 49 | 49 | 72 | 72 | 63 | 72 | 72 | 10 | 10 | 9 | 16 | 11 | 11 | 11 |
| 53 | 53 | 49 | 49 | 49 | 49 | 49 | 72 | 72 | 72 | 72 | 72 | 10 | 10 | 9 | 16 | 16 | 11 | 11 |
| 23 | 15 | 15 | 15 | 15 | 15 | 15 | 60 | 60 | 60 | 60 | 60 | 14 | 14 | 14 | 14 | 14 | 14 | 11 |
| 53 | 21 | 21 | 21 | 21 | 21 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 16 | 16 | 16 | 16 | 16 | 11 |
| 7 | 23 | 23 | 20 | 20 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 18 | 18 | 83 | 83 | 83 |
| 11 | 53 | 53 | 20 | 20 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 18 | 18 | 47 | 47 | 47 |
| 19 | 7 | 7 | 7 | 20 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 18 | 31 | 2 | 2 | 2 |
| 29 | 11 | 11 | 11 | 11 | 20 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 18 | 31 | 31 | 23 | 23 | 23 |
| 61 | 19 | 19 | 19 | 19 | 19 | 20 | 54 | 54 | 54 | 54 | 54 | 18 | 61 | 31 | 17 | 17 | 53 | 53 |
| 61 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 2 | 13 | 13 | 24 | 31 | 61 | 31 | 7 | 7 | 7 | 7 |
| 61 | 61 | 61 | 61 | 61 | 61 | 30 | 30 | 23 | 13 | 13 | 24 | 24 | 61 | 31 | 11 | 11 | 11 | 11 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | x | 7 | = |  | brown | 3 | x | 3 | = |  | brown |
| 9 | x | 7 | = |  | orange | 4 | x | 6 | = |  | orange |
| 12 | x | 7 | = |  | red | 4 | x | 9 | = |  | white |
| 2 | x | 5 | = |  | brown | 3 | x | 5 | = |  | brown |
| 7 | x | 5 | = |  | white | 3 | x | 4 | = |  | white |
| 8 | x | 5 | = |  | brown | 12 | x | 5 | = |  | white |
| 6 | x | 8 | = |  | black | 10 | x | 9 | = |  | red |
| 9 | x | 9 | = |  | red | 7 | x | 11 | = |  | brown |
| 3 | x | 2 | = |  | white | 11 | x | 6 | = |  | white |
| 3 | x | 7 | = |  | brown | 6 | x | 7 | = |  | white |
| 8 | x | 8 | = |  | black | 7 | x | 7 | = |  | brown |
| 4 | x | 4 | = |  | brown | 4 | x | 7 | = |  | white |
| 7 | x | 10 | = |  | red | 5 | x | 5 | = |  | red |
| 2 | x | 2 | = |  | brown | 4 | x | 5 | = |  | brown |
| 9 | x | 11 | = |  | white | 6 | x | 5 | = |  | orange |
| 4 | x | 8 | = |  | white | 7 | x | 8 | = |  | white |
| 3 | x | 6 | = |  | brown | 10 | x | 5 | = |  | brown |
| 5 | x | 9 | = |  | red | 11 | x | 8 | = |  | black |
| 9 | x | 6 | = |  | white | 4 | x | 2 | = |  | black |
| 12 | x | 6 | = |  | brown |  |  |  |  |  |  |
| 5 | x | 11 | = |  | white | All prime numbers are the background. |
| 8 | x | 10 | = |  | red | You may color the background any color. |
|  |  |  |  |  | Multiplication |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | x | 7 | = | 14 | brown | 3 | x | 3 | = | 9 | brown |
| 9 | x | 7 | = | 63 | orange | 4 | x | 6 | = | 24 | orange |
| 12 | x | 7 | = | 84 | red | 4 | x | 9 | = | 36 | white |
| 2 | x | 5 | = | 10 | brown | 3 | x | 5 | = | 15 | brown |
| 7 | x | 5 | = | 35 | white | 3 | x | 4 | = | 12 | white |
| 8 | x | 5 | = | 40 | brown | 12 | x | 5 | = | 60 | white |
| 6 | x | 8 | = | 48 | black | 10 | x | 9 | = | 90 | red |
| 9 | x | 9 | = | 81 | red | 7 | x | 11 | = | 77 | brown |
| 3 | x | 2 | = | 6 | white | 11 | x | 6 | = | 66 | white |
| 3 | x | 7 | = | 21 | brown | 6 | x | 7 | = | 42 | white |
| 8 | x | 8 | = | 64 | black | 7 | x | 7 | = | 49 | brown |
| 4 | x | 4 | = | 16 | brown | 4 | x | 7 | = | 28 | white |
| 7 | x | 10 | = | 70 | red | 5 | x | 5 | = | 25 | red |
| 2 | x | 2 | = | 4 | brown | 4 | x | 5 | = | 20 | brown |
| 9 | x | 11 | = | 99 | white | 6 | x | 5 | = | 30 | orange |
| 4 | x | 8 | = | 32 | white | 7 | x | 8 | = | 56 | white |
| 3 | x | 6 | = | 18 | brown | 10 | x | 5 | = | 50 | brown |
| 5 | x | 9 | = | 45 | red | 11 | x | 8 | = | 88 | black |
| 9 | x | 6 | = | 54 | white | 4 | x | 2 | = | 8 | black |
| 12 | x | 6 | = | 72 | brown |  |  |  |  |  |  |
| 5 | x | 11 | = | 55 | white | All prime numbers are the background. |
| 8 | x | 10 | = | 80 | red | You may color the background any color. |
|  |  |  |  |  | Answer Key for All |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 97 | 97 | 61 | 31 | 17 | 70 | 81 | 84 | 17 | 17 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 31 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 35 | 35 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 35 | 35 | 99 | 99 | 80 | 45 | 70 | 81 | 84 | 17 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 99 | 99 | 17 | 90 | 80 | 45 | 70 | 81 | 84 | 13 | 17 | 17 | 59 | 59 | 59 | 59 |
| 97 | 97 | 61 | 31 | 7 | 25 | 25 | 90 | 80 | 45 | 70 | 81 | 84 | 17 | 17 | 59 | 59 | 37 | 37 |
| 97 | 97 | 61 | 31 | 11 | 25 | 25 | 25 | 90 | 80 | 45 | 70 | 81 | 81 | 17 | 59 | 59 | 89 | 89 |
| 97 | 97 | 61 | 31 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 59 | 83 | 83 | 83 |
| 11 | 11 | 11 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 83 | 83 | 83 |
| 19 | 19 | 19 | 19 | 40 | 40 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | 50 | 9 | 47 | 47 | 47 | 47 |
| 19 | 19 | 19 | 19 | 4 | 4 | 55 | 55 | 77 | 77 | 77 | 36 | 36 | 50 | 9 | 2 | 2 | 2 | 2 |
| 59 | 59 | 59 | 4 | 4 | 55 | 48 | 48 | 55 | 77 | 36 | 88 | 88 | 36 | 9 | 16 | 23 | 23 | 23 |
| 23 | 23 | 23 | 4 | 4 | 55 | 8 | 8 | 55 | 77 | 36 | 64 | 64 | 36 | 9 | 16 | 53 | 53 | 53 |
| 23 | 23 | 23 | 49 | 49 | 49 | 55 | 55 | 63 | 63 | 63 | 36 | 36 | 10 | 9 | 16 | 7 | 7 | 7 |
| 29 | 29 | 29 | 49 | 49 | 49 | 49 | 72 | 72 | 63 | 72 | 72 | 10 | 10 | 9 | 16 | 11 | 11 | 11 |
| 53 | 53 | 49 | 49 | 49 | 49 | 49 | 72 | 72 | 72 | 72 | 72 | 10 | 10 | 9 | 16 | 16 | 11 | 11 |
| 23 | 15 | 15 | 15 | 15 | 15 | 15 | 60 | 60 | 60 | 60 | 60 | 14 | 14 | 14 | 14 | 14 | 14 | 11 |
| 53 | 21 | 21 | 21 | 21 | 21 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 16 | 16 | 16 | 16 | 16 | 11 |
| 7 | 23 | 23 | 20 | 20 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 18 | 18 | 83 | 83 | 83 |
| 11 | 53 | 53 | 20 | 20 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 18 | 18 | 47 | 47 | 47 |
| 19 | 7 | 7 | 7 | 20 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 18 | 31 | 2 | 2 | 2 |
| 29 | 11 | 11 | 11 | 11 | 20 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 18 | 31 | 31 | 23 | 23 | 23 |
| 61 | 19 | 19 | 19 | 19 | 19 | 20 | 54 | 54 | 54 | 54 | 54 | 18 | 61 | 31 | 17 | 17 | 53 | 53 |
| 61 | 29 | 29 | 29 | 29 | 29 | 29 | 30 | 2 | 13 | 13 | 24 | 31 | 61 | 31 | 7 | 7 | 7 | 7 |
| 61 | 61 | 61 | 61 | 61 | 61 | 30 | 30 | 23 | 13 | 13 | 24 | 24 | 61 | 31 | 11 | 11 | 11 | 11 |