

FIBONACCI AND THE GOLDEN NUMBER – ANSWERS

| Number | Fibonacci Number | Calculation | Golden Number (Φ) |
|--------|------------------|------------------|--------------------------|
| 1 | 0 | | |
| 2 | 1 | | |
| 3 | 1 | $1 \div 1$ | 1 |
| 4 | 2 | $2 \div 1$ | 2 |
| 5 | 3 | $3 \div 2$ | 1.5 |
| 6 | 5 | $5 \div 3$ | 1.666666666667 |
| 7 | 8 | $8 \div 5$ | 1.6 |
| 8 | 13 | $13 \div 8$ | 1.625 |
| 9 | 21 | $21 \div 13$ | 1.615384615385 |
| 10 | 34 | $34 \div 21$ | 1.619047619048 |
| 11 | 55 | $55 \div 34$ | 1.617647058824 |
| 12 | 89 | $89 \div 55$ | 1.618181818182 |
| 13 | 144 | $144 \div 89$ | 1.617977528090 |
| 14 | 233 | $233 \div 144$ | 1.618055555556 |
| 15 | 377 | $377 \div 233$ | 1.618025751073 |
| 16 | 610 | $610 \div 377$ | 1.618037135279 |
| 17 | 987 | $987 \div 610$ | 1.618032786885 |
| 18 | 1597 | $1597 \div 987$ | 1.618034447822 |
| 19 | 2584 | $2584 \div 1597$ | 1.618033813400 |
| 20 | 4181 | $4181 \div 2584$ | 1.618034055728 |