Integer vs Float: Key Differences

Integer (int)

- Whole numbers only

- No decimal point

- Exact counting

- **Examples:**

```
shares = 100
```

Float (float)

- Decimal numbers

- Has decimal point

- Precise measurements

- **Examples:**

```
price = 150.50
```

Finance Use Cases

Integer	Float
Number of shares	Stock price
Days in period	Portfolio value
Number of trades	Return percentage

```
value = shares * price  # int * float = float
value = 100 * 150.50  # = 15050.0
type(value)  # <class 'float'>
```