

SICP testing

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Testing

```
(define (foo a b)
  (+ a (* 2 b)))
```

```
(foo 5 3)
```

```
11
```

^ Dynamically evaluated when you press "enter" on the BEGIN_{SRC} block!

Also consider:

- ":results output" for what the code prints
- ":exports code" or "results" to just get one or the other

$a + (2 \times b)$ <~ inline Latex btw :)

Exercise 1.1

```
10 ;; 10
(+ 5 3 4) ;; 12
(- 9 1) ;; 8
(/ 6 2) ;; 3
(+ (* 2 4) (- 4 6)) ;; 6
(define a 3) ;; a=3
(define b (+ a 1)) ;; b=4
(+ a b (* a b)) ;; 19
(= a b) ;; false
(if (and (> b a) (< b (* a b)))
    b
    a) ;; 4
(cond ((= a 4) 6)
      ((= b 4) (+ 6 7 a))
      (else 25)) ;; 16
(+ 2 (if (> b a) b a)) ;; 6
```

```
(* (cond ((> a b) a)
          ((< a b) b)
          (else -1))
  (+ a 1)) ;; 16
```