

Exer 5.7

[s2008/s2008-lang4]

In the SAT data SATs by state, the variables have units.

- sat has units of “points.”
- expend has units of “dollars.”
- ratio has units of “students.”
- frac has units of “percentage points.”

Consider the model

$$\begin{array}{l} \text{Model} \\ \text{Values} \end{array} \text{ sat} = 994 + 12.29 \text{ expend} - 2.85 \text{ frac}$$

1. What are the units of the coefficient 994?

- A points
- B dollars
- C students
- D percentage points
- E points per dollar
- F students per point
- G points per student
- H points per percentage points

Exer 5.7-1

2. What are the units of the coefficient 12.29?

- A points
- B dollars
- C students
- D dollars per student
- E points per dollar
- F students per point
- G points per student

Exer 5.7-2

3. What are the units of the coefficient 2.85?

- A points
- B dollars
- C percentage points
- D points per dollar
- E students per point
- F points per student
- G points per percentage points

Exer 5.7-3

