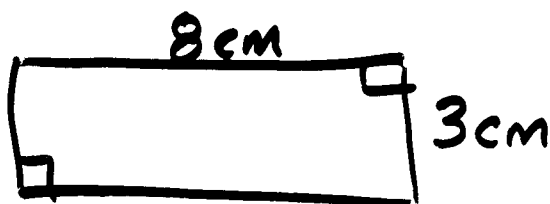


BE-1A TUESDAY 11-13-07

- Find the perimeter and area
- ① of a square with each side 5 ft.
 - ② of a rectangle as shown:



-
- ③ The $\sqrt{56}$ is between what two numbers?
 - ④ List all the sets of numbers to which the $\sqrt{56}$ belongs.
-

Q: How would you start to solve:

$$7m - 17 = 60$$



goal: get m by itself, in this case
by itself on the left side of the equation

Q: How many "UNDOS" are to get
 m by itself

$$7m - 17 = 60$$



MUST UNDO
MULTIPLICATION
by 7



MUST UNDO
SUBTRACTION
of 17

* SAVE THE UNDO WITH THE VARIABLE
FOR LAST ! ! ! ! !

$$\begin{array}{r} 7m - 17 = 60 \\ +17 \quad +17 \end{array}$$

$$\frac{7m}{7} = \frac{77}{7}$$

$$\boxed{m = 11}$$

{EX Page
143}

$$\begin{array}{l} \text{CK } 7(11) - 17 \stackrel{?}{=} 60 \\ 77 - 17 \stackrel{?}{=} 60 \checkmark \end{array}$$

WHAT if you DO THE UNDO WITH THE VARIABLE first?

$$7m - 17 = 60$$

$$\frac{7m}{7} - \frac{17}{7} = \frac{60}{7}$$

↑ ↑
MUST ÷ every term
on left side by 7
to follow GRE

$$m - \frac{17}{7} = \frac{60}{7}$$

$$+ \frac{17}{7} \quad + \frac{17}{7}$$

$$m = \frac{60}{7} + \frac{17}{7}$$

$$m = \frac{77}{7}$$

$$\boxed{m = 11}$$

It works, but
WHICH WAS EASIER?

$$\textcircled{\text{EX}} \quad 4g - 2 = -6$$

$$\textcircled{\text{EX}} \quad 18 = 5p + 3$$

$$\textcircled{\text{EX 3}} \quad \frac{t}{8} + 21 = 14$$

pg 143

$$\textcircled{\text{EX 4}} \quad \frac{p - 15}{9} = -6$$

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$$\textcircled{\text{EX}} \quad \frac{3}{2}a - 8 = 11$$

QUESTIONS: GRADED EXAM 1

Homework: Page 146 # 22 to 27