

### Warm Up 0.1

A committee uses expressions to plan for a boys basketball camp. During the basketball camp, leaders will need the following supplies:

1. For each boy, the camp needs 10 gallons of water per week
2. For every 10 boys, the camp needs one first-aid kit
3. The camp needs 30 more blankets than the number of boys attending
4. For every 100 boys, the camp needs one medical doctor
5. The camp needs 100 more pillows than the number of boys attending

If  $b$  represents the number of boys attending the basketball camp, match each of the following expressions to one of the statements above. Explain how you know.

- a)  $\frac{b}{100}$
- b)  $10b$
- c)  $\frac{b}{10}$

- d)  $b+100$
- e)  $b+30$

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