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Universally Designed Assessment Items

Jim and Bob workout at the same gym. Jim wants to bench press more than Bob. The sum of weight Jim and Bob bench press is 180 pounds, and if you

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- Use formal language or symbolic representations
- Carry out accurate computations
- Follow multiple steps sequentially
- Make proper use of algorithm and properties



## 9(\*8("6,1'@%4\$"("&1""

- Ability to formulate a problem in mathematical terms
- Represent problem solving strategically (verbally, symbolically, graphically, or numerically)
- Identify and use strategy necessary to solve problems effectively (e.g. use the distributive property to solve)







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The length of John's backyard is 50 feet. Which expression can be used to find the length of John's backyard in inches? Jake reads 3 pages in 1 minute. At this rate, which expression can be used to find how many pages Jake can read in 1 hour? 50 - 12 50 -	
I feet. Which expression can be used to find the length of John's backyard in inches? 50 ÷ 12 50 + 12 50 - 12   Jake reads 3 pages in 1 minute. At this rate, which expression can be used to find how many pages Jake can read in 1 hour?	1
Image: Second	
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10	
How the expression can be used to find use of the students in the class are boys?	

Strategic				
Easy	Jane wants to shade $\frac{3}{4}$ of the model. Which explanation describes why she multiplies	She is finding an equivalent fraction.' She is simplifying the fraction.' She is finding a common denominator.' She is finding the greatest common multiple.'		
Difficult	Which explanation best describes why Model A represents a greater fraction?	The shaded portion of Model A covers more of the total area than Model B.' The total area of Model A is larger than the total area of Model B. The squares are larger in Model A than the squares in Model B.' There are fewer un-shaded squares in Model A than in Model B.'		
Medium	Doug has 4 fish and 2 dogs. He buys another fish. How does the additional fish change the ratio of dogs to fish?	The ratio gets smaller because only the denominator increases. The ratio gets larger because the total number of pets increases. The ratio gets smaller because only the numerator increases.		



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- Avoid the complex multiple-choice format. (i.e., A and D, B and C).
- Use plain language.
  - Avoid conditional phrases (if..., then...).
- Keep the language of the stem and response options at the appropriate grade level.
- Minimize examinee reading time.

AP8/8. >&80 BCCRE



- State the stem in question form.
  - If completion format is necessary, do not leave a blank for completion in the beginning or middle of the stem.
- Avoid extraneous information.
- Word the stem positively.
  - If an item must be stated negatively, underline or capitalize the negative word.
- Keep all essential information in the stem.
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## 9%4 '''0,&8/'7; %26; (#'V'78J''0 3G8>#'

- Assessment and instruction should be considered together performance on assessments can inform instruction and assessments can be specifically designed to provide students with opportunities to demonstrate what they've learned during instruction.
- When designing tests or assessments for use in your classroom, be sure to include items that target