



5.2 Puzzle Time

What Can You Hold Without Ever Touching?

For each exercise, circle the letter in the columns under Yes or No to indicate the correct answer. The circled letters will spell the answer to the riddle.

	Yes	No
1.	Y	T
2.	A	O
3.	U	H
4.	R	S
5.	C	B
6.	O	R
7.	E	O
8.	A	L
9.	T	M
10.	S	H

Tell whether the ratios form a proportion.

1. $\frac{2}{5}, \frac{8}{20}$

2. $\frac{3}{7}, \frac{6}{13}$

3. $\frac{5}{6}, \frac{15}{18}$

4. $\frac{18}{24}, \frac{12}{16}$

Tell whether the two rates form a proportion.

5. 55 miles in 1 hour; 450 miles in 8 hours

6. \$3.00 for 32 ounces of strawberries; \$1.75 for 24 ounces of strawberries

7. 45 baskets in 85 shots; 54 baskets in 102 shots

8. 18 push-ups in 60 seconds; 27 push-ups in 90 seconds

9. One type of cereal has 2 grams of protein per 1-cup serving. Another cereal has 1 gram of protein per half-cup serving. Do these rates form a proportion?

10. A 50-fluid ounce bottle of laundry detergent washes 32 loads of laundry. A 100-fluid ounce bottle washes 60 loads of laundry. Are they proportional? Do these rates form a proportion?