

Team Name: _____

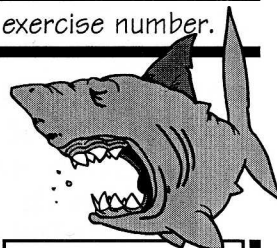
Partner A: _____

WHY . . .

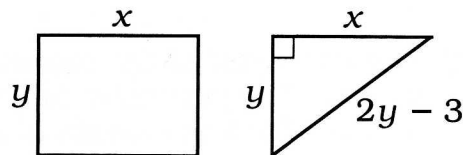
1	2	3	4	5	6	7	8	?
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Solve each problem. Write the word next to your answer in the box containing the exercise number.

- The cost of admission to the Spring Carnival was \$50 for a group of 9 children and 2 adults. The admission was \$61 for another group of 10 children and 3 adults. What was the admission price for each child? What was the admission price for each adult?
- The larger of two numbers is 9 more than twice the smaller. The sum of the numbers is 3 less than five times the smaller. Find the numbers.
- Pop's Cycle Shop sells bicycles and tricycles. The number of bicycles is 1 less than 4 times the number of tricycles. All the bicycles and tricycles together have a total of 174 wheels. How many bicycles are there?
- The Sluggers go out for pizza after a game. Seven large pizzas plus two medium pizzas together have 100 slices. Five large pizzas plus six medium pizzas have 108 slices. How many slices are in each size?
- Moolah has 24 coins that are all dimes and quarters. The value of the coins is \$3.75. How many dimes and how many quarters does Moolah have?
- A group of students takes their math teacher out for lunch. If five have hamburgers and three have hot dogs, the bill will be \$24.25. If three have hamburgers and five have hot dogs, the bill will be \$21.75. What is the price of a hamburger?
- Togo flew his ultralight plane to a landing field 30 mi away. With the wind, the flight took $\frac{3}{5}$ h. Returning against the wind, the flight took $\frac{5}{6}$ h. Find the rate of the plane in still air and the rate of the wind.
- The perimeter of the rectangle at right is 42 cm. The perimeter of the triangle is 36 cm. Find the values of x and y .



5, 19 • SHARK
6, 21 • GOING
14, 10 • CATCH
12 cm, 9 cm • SCARY
\$5, \$6 • DO
15, 9 • SEAFOOD
\$3.80 • MARKET
63 • TO
45 mph, 4 mph • NOT
\$4, \$7 • IS
12, 8 • A
16, 8 • BEACH
\$3.50 • RESTAURANT
58 • UNDERWATER
43 mph, 7 mph • SO
13 cm, 8 cm • FUNNY



Team Name: _____

Partner B: _____

BECAUSE . . .

1	2	3	4	5	6	7	8
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Solve each problem. Write the word next to your answer in the box containing the exercise number.

- 1** The cost of admission to the Spring Carnival was \$39 for a group of 8 children and 3 adults. The admission was \$43 for another group of 11 children and 2 adults. What was the admission price for each child? What was the admission price for each adult?

- 2** The larger of two numbers is 11 more than twice the smaller. The sum of the numbers is 1 less than seven times the smaller. Find the numbers.

- 3** Pop's Cycle Shop sells bicycles and tricycles. The number of bicycles is 1 less than 5 times the number of tricycles. All the bicycles and tricycles together have a total of 154 wheels. How many bicycles are there?

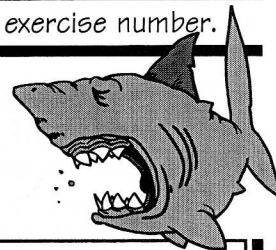
- 4** The Sluggers go out for pizza after a game. Five large pizzas plus three medium pizzas together have 110 slices. Two large pizzas plus nine medium pizzas have 122 slices. How many slices are in each size?

- 5** Moolah has 27 coins that are all dimes and quarters. The value of the coins is \$4.35. How many dimes and how many quarters does Moolah have?

- 6** A group of students takes their math teacher out for lunch. If five have hamburgers and four have hot dogs, the bill will be \$19.50. If four have hamburgers and five have hot dogs, the bill will be \$18.75. What is the price of a hamburger?

- 7** Toga flew her ultralight plane to a landing field 24 mi away. With the wind, the flight took $\frac{2}{5}$ h. Returning against the wind, the flight took $\frac{3}{4}$ h. Find the rate of the plane in still air and the rate of the wind.

- 8** The perimeter of the rectangle at right is 46 cm. The perimeter of the triangle is 40 cm. Find the values of x and y .



\$2, \$6 • SHARKS

16, 11 • A

\$2.70 • MONSTER

\$3, \$5 • YOU

52 mph, 9 mph • ON

15 cm, 8 cm • FISH

16, 10 • INTO

62 • CATCH

17, 3 • MIGHT

\$2.50 • MAN

15, 12 • DEEP

14, 8 • UP

46 mph, 14 mph • EATING

14 cm, 9 cm • NET

59 • RUN

19, 4 • SWIM

