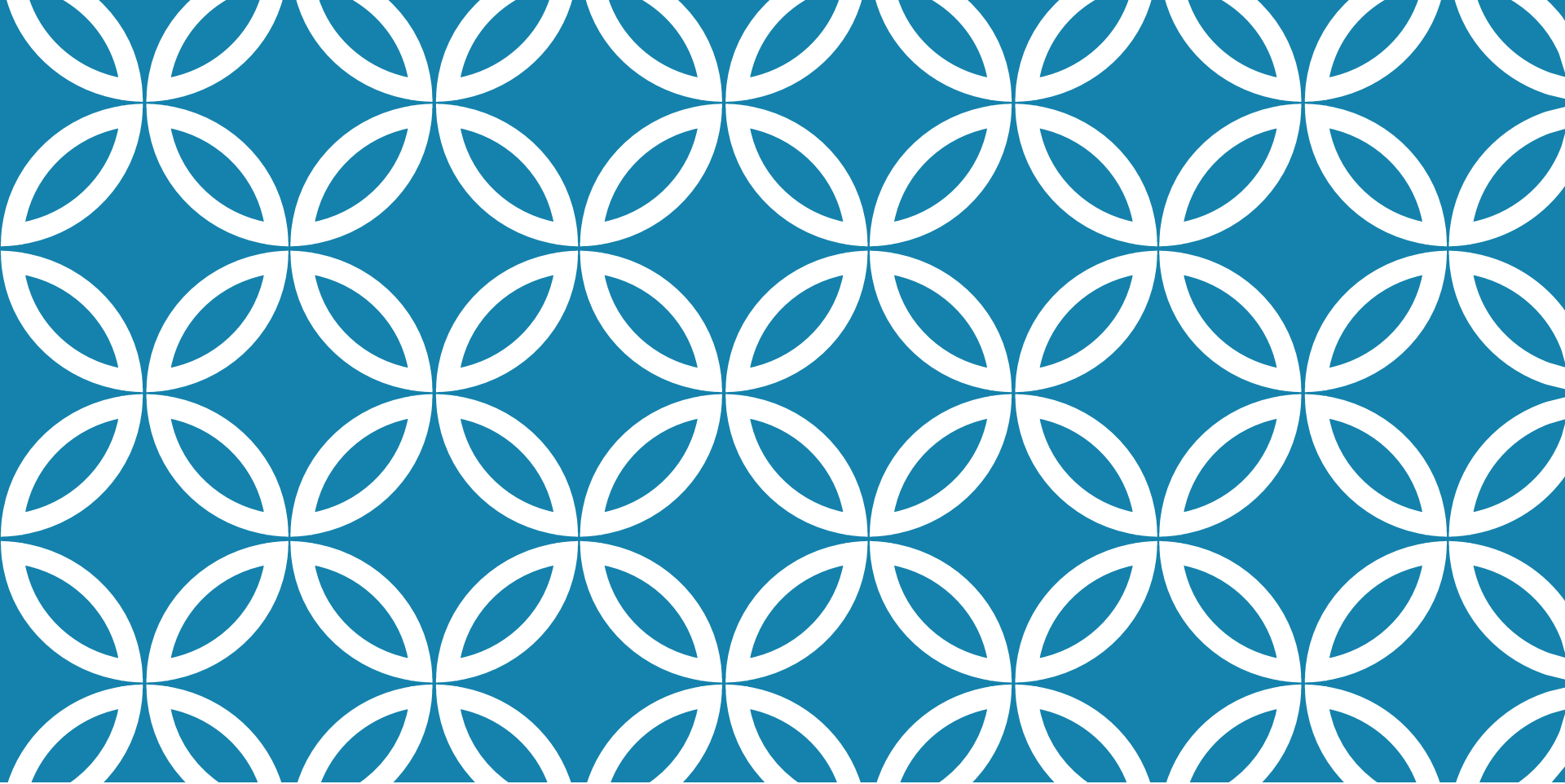




QUIZ ABOUT RATIOS, UNIT RATES AND PROPORTIONS

Grab a pencil and write
down your answers!

1. THE **RED SOCKS** (BASEBALL TEAM) HAVE **WON 38 GAMES** AND **LOST 50**. WHAT IS THE RATIO OF WINS TO LOSSES?

- A. $38/50$
- B. $38:88$
- C. $38/88$
- D. $38:50$

2. **UNIT RATES** DESCRIBE HOW MANY UNITS OF ONE KIND CORRESPOND TO ONE UNIT OF ANOTHER. **FIND THE UNIT RATE** OF A HEAD OF LETTUCE, IF 3 HEADS COST \$4.99.

- A. \$14.97
- B. \$4.99
- C. \$0.60
- D. \$1.66

3. THERE ARE 10 GREEN MARBLES AND 6 RED MARBLES, WHAT IS THE RATIO OF GREEN TO RED MARBLES (*DON'T FORGET TO REDUCE YOUR RATIO!*)?

- A. 10:6
- B. 5 to 3
- C. 10/6
- D. 1.67

4. WHAT IS THE RATIO OF BLACK TO WHITE KEYS ON THE PIANO BELOW?

- A. 15 to 21
- B. 15 to the power of 21
- C. 15 out of 21
- D. 71%



5. IF THE **UNIT PRICE** OF A TICKET IS \$2,
HOW MUCH DOES 10 TICKETS COST?

- A. \$0.20
- B. \$20
- C. \$10
- D. \$1

6. YOU ARE MAKING MUFFINS. ACCORDING TO THE RECIPE, YOU NEED $\frac{1}{2}$ CUP OF FLOUR FOR EVERY 2 EGGS. HOW MANY CUPS OF FLOUR DO YOU NEED IF YOU WANT TO DOUBLE THE RECIPE (ADD 4 EGGS)?

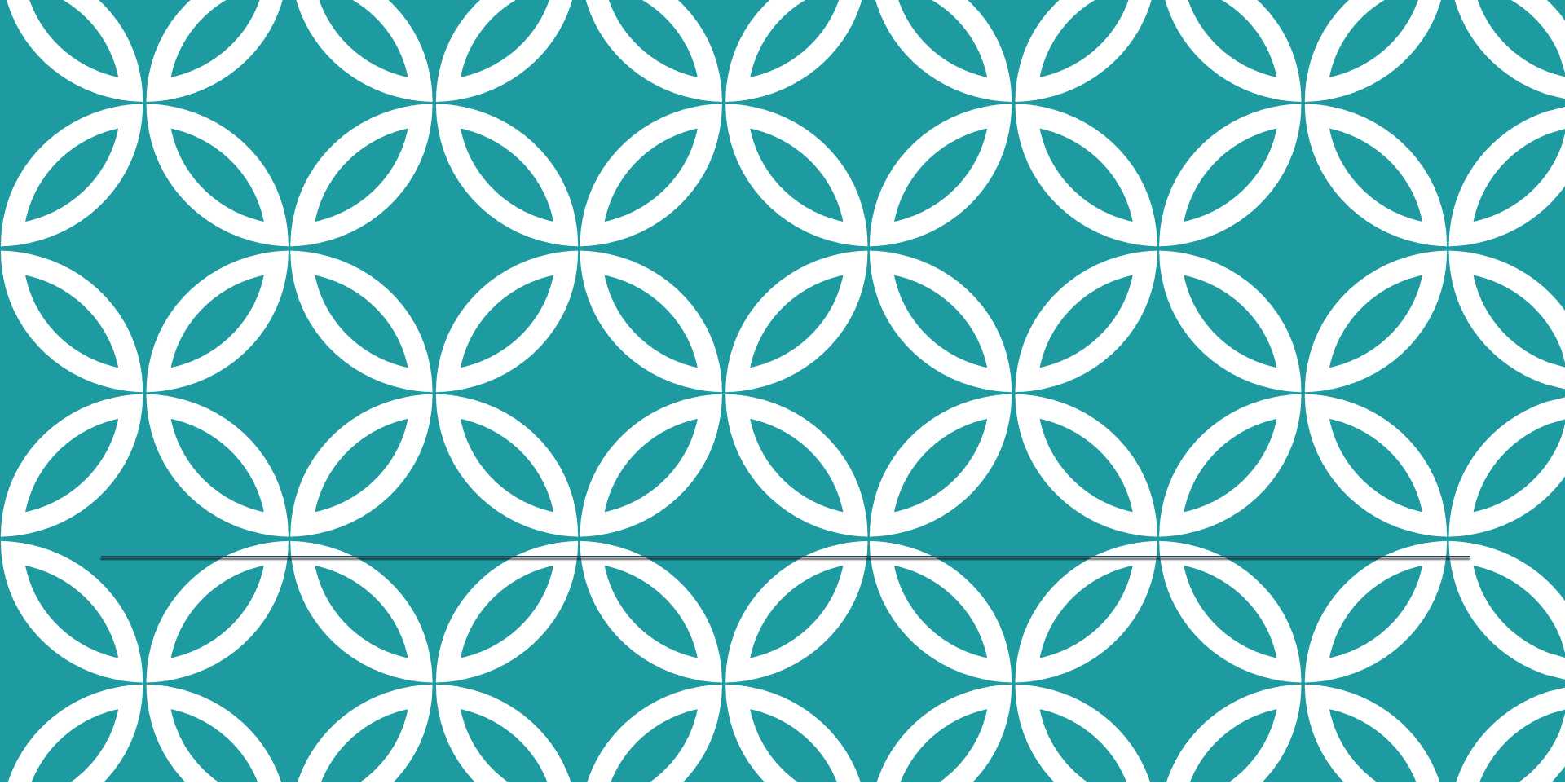
- A. 2 cups of flour
- B. 2:4
- C. $\frac{3}{4}$ cup of flour
- D. 1 cup of flour

7. YOU WANT TO MIX BLUE AND RED PAINT AT A RATIO OF 3:4. YOU ADD 6 DROPS OF BLUE. HOW MANY DROPS OF RED DO YOU NEED?

- A. 4 drops of red
- B. 2 drops of red
- C. 8 drops of red
- D. 10 drops of red

8. BONUS - WHAT COLOUR IS THE PAINT YOU MIXED IN QUESTION 7?

- A. Purple
- B. Brown
- C. Green
- D. Pink



END OF QUIZ

Answers to follow

CHECK YOUR ANSWERS

1. D, 38 wins: 50 losses
2. D, $\$4.99 = 3$ heads, $? = 1$ head. $\$4.99/3 = \1.66
3. B, 10:6 reduces to 5:3 (divide both by two)
4. A
5. B, $\$2 \times 10$ tickets = \$20
6. D, $\frac{1}{2}$ flour $\times 2$ (doubling) = 1 cup of flour
7. C, 3:4 is the same as 6:8, therefore need 8 drops of red
8. Bonus - A