PEMBROKE ACADEMY

PRACTICE TEST WITH SAMPLE TEST ITEMS

BASED ON GRADE LEVEL STANDARDS

MATH

FIFTH GRADE

1. Which number is equal to 10^4?

A. 100

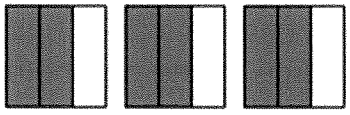
B. 1,000

C. 10,000

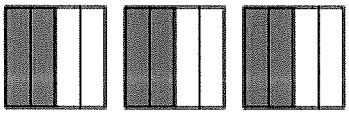
D. 100,000

2. Which fraction model best represents $4 \times \frac{2}{3}$?

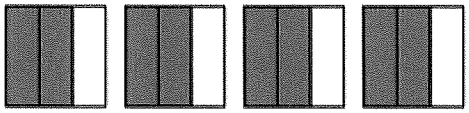
A.



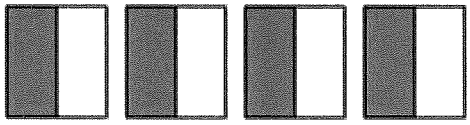
B.



C.



D.



3. Conner is buying tickets to a concert. The concert he and his friends want to see costs $4.75 per ticket. Connor has $26.00 total.

What is the **greatest** number of tickets Connor can buy?

A. 4

B. 5

C. 6

D. 7

4. Tyler is 8 years old. His sister Olivia is 4 years less than twice his age. Write a numerical expression for Olivia's age in the box below.

5. Write one number in each box to create a fraction that correctly completes each statement.

A. $4 \times \frac{\square}{\square} < 4$

B. $4 \times \frac{\square}{\square} = 4$

C. $4 \times \frac{\square}{\square} > 4$

6. Select two fractions that can be rewritten with a denominator of 24.

A. $\frac{1}{6}$

B. $\frac{1}{5}$

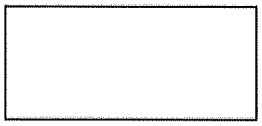
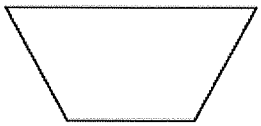
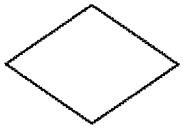
C. $\frac{5}{7}$

D. $\frac{9}{10}$

E. $\frac{1}{9}$

F. $\frac{7}{8}$

7. All parallelograms have opposite sides that are equal in length and parallel. Determine whether each polygon shown is also a parallelogram. Select Yes or No for each polygon.

	Yes	No
 Rectangle	☐	☐
 Trapezoid	☐	☐
 Rhombus	☐	☐

8. Lola has 4 orange juice containers. Each container is $\frac{5}{8}$ full. Lola claims to have a total of $2\frac{1}{2}$ gallons of orange juice in the 4 containers.

Which of these statements must be true in order for Lola's claim to be correct?

A. Each container has a capacity of $\frac{5}{8}$ gallon.

B. Each container has a capacity of 1 gallon.

C. Each container has a capacity of $2\frac{1}{2}$ gallons.

D. Each container has a capacity of 8 gallons.

9. Ryan has $\frac{1}{2}$ pound of chocolate. He divides it into 4 equal portions.

Write the amount of chocolate, in pounds, in each portion in the box below.