

Name _____

1. Marissa bought 12.8 pounds of potatoes at \$1.35 per pound. How much did Marissa spend for the potatoes? Explain.

2. Gabriel needs d more dollars to buy a new video game console that costs \$156.75. He has saved \$98.26. Solve the equation $\$98.26 + d = \156.75 to find how much more money Gabriel needs.

- (A) $d = \$57.49$
 (B) $d = \$58.49$
 (C) $d = \$58.59$
 (D) $d = \$68.59$

3. Monroe Middle School has an enrollment of 1,392 students. If the students are divided equally into 24 teams for a contest, how many students will be on each team?

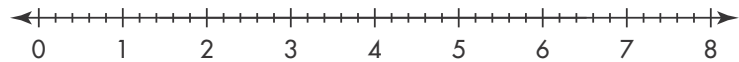
- (A) 58 students
 (B) 60 students
 (C) 64 students
 (D) 70 students

4. Tom weighs 168.5 pounds. His 2-year-old son, Nicholas, weighs 33.7 pounds. How many times as much as Nicholas does Tom weigh?

5. What is the area of a rectangular holding pond with length $\frac{8}{15}$ mile and width $\frac{1}{6}$ mile?

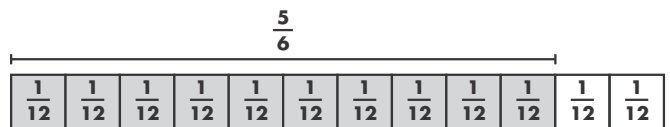
- (A) $\frac{4}{45}$ mi²
 (B) $\frac{5}{16}$ mi²
 (C) $\frac{3}{7}$ mi²
 (D) $\frac{7}{9}$ mi²

6. Each runner in an 8-mile relay race runs $\frac{4}{5}$ of a mile. Use the number line to find $8 \div \frac{4}{5}$, the number of runners on a relay team.



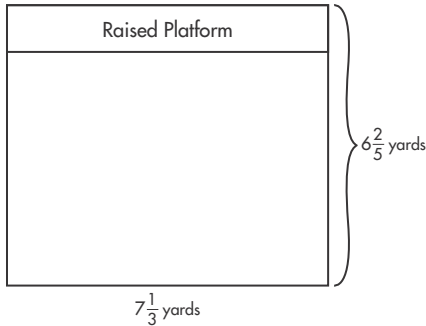
- (A) 4 runners
 (B) 5 runners
 (C) 9 runners
 (D) 10 runners

7. Find the quotient. Use the diagram to help.



$$\frac{5}{6} \div \frac{1}{12}$$

8. The floor of a rectangular meeting room has a raised platform that is the same length as the room and is $\frac{1}{6}$ the width of the room.



Part A

What is the width of the raised platform?
Write an equation to model your work.

Part B

Estimate the area of the floor, including the raised platform.

Part C

What is the area of the entire floor, including the raised platform? Write an equation to show your work. Compare your answer to your estimate to see whether your answer is reasonable.

9. Which expression has the same value as $7 \div \frac{9}{10}$?

- (A) $7 \times \frac{10}{9}$
- (B) $\frac{1}{7} \div \frac{9}{10}$
- (C) $7 \times \frac{9}{10}$
- (D) $\frac{1}{7} \div \frac{10}{9}$

10. An art teacher has $47\frac{1}{3}$ pounds of clay. He wants to give each student in his class $2\frac{1}{2}$ pounds of clay. The teacher estimates that he has enough clay for 9 students. Is this the best estimate? Explain.

11. Naomi's recipe for baked beans calls for $7\frac{1}{5}$ cups of kidney beans. Each can of kidney beans holds $1\frac{4}{5}$ cups. How many cans of kidney beans will Naomi use to make the recipe?

- (A) 2 cans
- (B) 3 cans
- (C) 4 cans
- (D) 5 cans