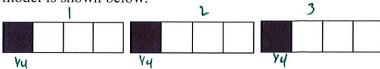
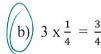
1. A fraction model is shown below.

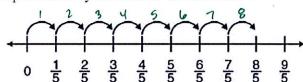


Which equation correctly shows the fraction of the shaded parts?

a) $\frac{1}{4} + 3 = 3\frac{1}{4}$



- c) $\frac{1}{4} \times \frac{3}{3} = \frac{3}{12}$
- d) $\frac{1}{4} \times \frac{1}{4} = \frac{1}{16}$
- 2. What is the product represented by the model shown below?



- a) $\frac{1}{5}$
- b) $\frac{5}{8}$
- c) $\frac{5}{5}$
- $\frac{8}{5}$

3. Jane and Melissa are trying out for the swim team. Jane swam $\frac{2}{3}$ of a mile. Melissa swam 4 times as far as Jane. How far did Melissa swim?

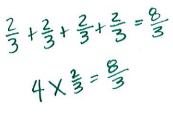


b. $\frac{2}{7}$ of a mile



c. $\frac{8}{3}$ of a mile

d. $\frac{2}{12}$ of a mile



4. Jackson has 3 cats. He feeds $\frac{3}{4}$ of a cup of cat food to each cat every day. How many cups of cat food does Jackson need to feed his 3 cats for a week?

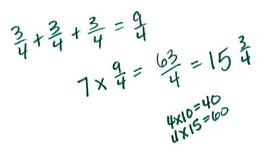
a. 10 cups

b. $10\frac{3}{4}$ cups



15 cups





- 5. A professional soccer player buys 16 acres of land. He plans to build a house on the land but wants to use $\frac{2}{8}$ of the land to put his own soccer field and facility on. How many acres of land will the soccer player need for his soccer field and facility?



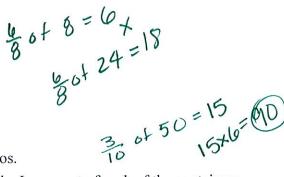
\$ of 16 2×16=328

- 6. Alexandra has 60 flowers in a vase. She gave $\frac{2}{10}$ of the flowers to her neighbor as a random act of kindness. How many flowers does Alexandra still have left in her vase?
 - 12



 $\frac{2}{10} \text{ of } 60 = 12$ 60 - 12 = 48 60 = 480 = 48 60 = 480 = 48 10 = 480 = 48 10 = 480 = 48

- 7. Bill is looking to rent a storage unit. The storage company told him that their largest storage unit measures 8 feet by 24 feet but Bill doesn't think that he needs all of that space. The next size is $\frac{6}{8}$ as long and $\frac{6}{8}$ as wide. What are the measurements of the smaller storage unit?
 - a. 7 feet by 18 feet
 - b. 5 feet by 13 feet
 - 9 feet by 21 feet 6 feet by 18 feet



- 8. Walker had 6 containers of Legos.
 - a. Each container had 50 Legos.
 - b. He built a city using $\frac{3}{10}$ of the Legos out of each of the containers.

How many Legos did Walker use to build the city?

- 15 a.
- 30
- 60
- 9. The doctors at a hospital need to see 128 patients today. If they have already seen $\frac{5}{8}$ of the patients, how many patients do they still need to see today?

- 10. A textbook is $\frac{5}{6}$ of an inch thick. If 7 textbooks are stacked on top of each other, how tall is the stack of textbooks?
 - a. 6 inches

5 x7=35 = 5%