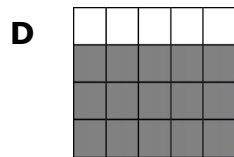
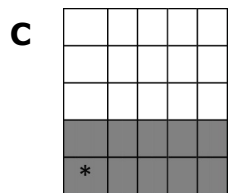
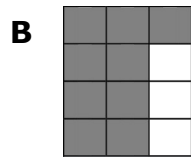


## CISD Grade 5 Math Unit 13

Some questions (c) 2012 by CSCOPE.

- 1 Which one of the fraction models is NOT equivalent to the others?



- 2 Which list of numbers contains all equivalent fractions?

**F**  $\frac{1}{3}, \frac{12}{36}, \frac{3}{9}$

**G**  $\frac{2}{8}, \frac{12}{16}, \frac{4}{16}$

**H**  $\frac{6}{18}, \frac{2}{3}, \frac{8}{9}$

**J**  $\frac{6}{24}, \frac{3}{4}, \frac{4}{8}$

- 3 Mrs. Jones was making a cake that required  $\frac{2}{3}$  tablespoon of salt. Which of the following is equivalent to  $\frac{2}{3}$  tablespoon?

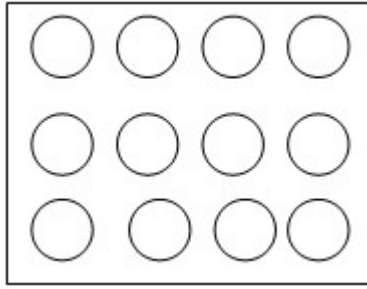
**A**  $\frac{5}{10}$  of a tablespoon

**B**  $\frac{4}{6}$  of a tablespoon

**C**  $\frac{4}{12}$  of a tablespoon

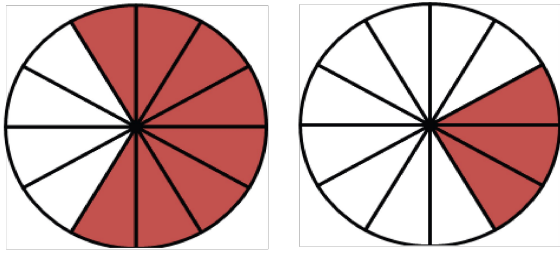
**D**  $\frac{4}{16}$  of a tablespoon

- 4 Kerri baked a dozen cookies for her family. When she took the pan out of the oven, her brother ate 5 cookies. Then, her dad came to the kitchen and ate 3 cookies. What fractional part of all the cookies she baked does she have left?



- F**  $\frac{2}{3}$  of the cookies left
- G**  $\frac{1}{2}$  of the cookies left
- H**  $\frac{5}{12}$  of the cookies left
- J**  $\frac{1}{3}$  of the cookies left

5 Look at the models below.



Which mathematical expression should be used to find out the number of shaded parts?

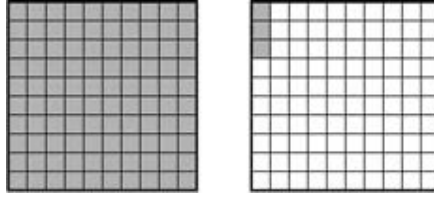
**A**  $\frac{8}{12} + \frac{3}{12}$

**B**  $\frac{5}{12} + \frac{7}{12}$

**C**  $\frac{8}{12} - \frac{3}{12}$

**D**  $\frac{9}{12} - \frac{4}{12}$

- 6 Jeff has read 1.03 of the books he has been assigned to read this year. The picture below represents this decimal number.

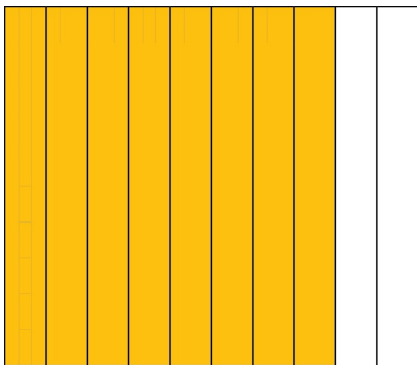


Which mixed number also shows the amount of reading Jeff has done?

- F**  $1\frac{30}{100}$
- G**  $1\frac{3}{1000}$
- H**  $1\frac{3}{10}$
- J**  $1\frac{3}{100}$

7

Which of the following choices has decimals that are equal to  $\frac{8}{10}$ ?



- A** 8.0 and 0.8
- B** 0.8 and 0.80
- C** 8.10 and 0.8
- D** 81.0 and 0.80

- 8 A tennis player's record is determined by finding the fraction of matches won out of the total matches played. Hattie will play against Jana in the next match.

Name	Number of Matches Played	Number of Matches Won
Frieda	10	6
Melanie	8	5
Hattie	12	9
Ida	9	6
Jana	15	12

Which of these two players has the best record?

Explain how you got your answer.

**F** Hattie

**G** Jana

- 9 Which of the following is true?

**A**  $\frac{5}{2} = 2\frac{1}{5}$

**B**  $\frac{7}{3} = 3\frac{1}{3}$

**C**  $\frac{17}{4} = 4\frac{1}{4}$

**D**  $\frac{12}{5} = 5\frac{2}{5}$

**10** Joshua, Sam, and Lamont are teammates on the baseball team. They each practice on their own every day. Joshua will usually practice for  $\frac{3}{4}$  of an hour. Sam will practice for  $\frac{1}{2}$  of an hour and Lamont practices for  $\frac{2}{3}$  of an hour. Which of the following fractions correctly compares the amount of time Joshua and Sam spend practicing?

**F**  $\frac{1}{2} > \frac{3}{4}$

**G**  $\frac{3}{4} > \frac{1}{2}$

**H**  $\frac{1}{2} < \frac{2}{3}$

**J**  $\frac{3}{4} < \frac{2}{3}$

**11** The party planner orders four different cakes for the celebration. After the party  $\frac{4}{16}$  of the chocolate cake,  $\frac{3}{9}$  of the strawberry cake,  $\frac{4}{12}$  of the Italian cream cake, and  $\frac{3}{15}$  of the white cake were left?

Which cake had the least amount left?

Explain how you got your answer.

**A** chocolate cake

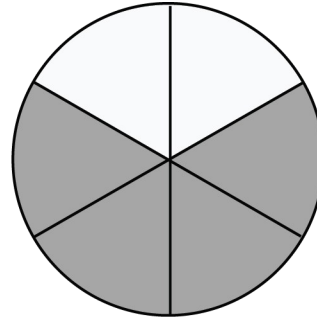
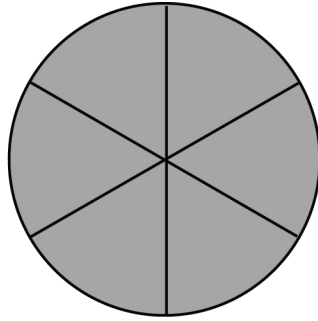
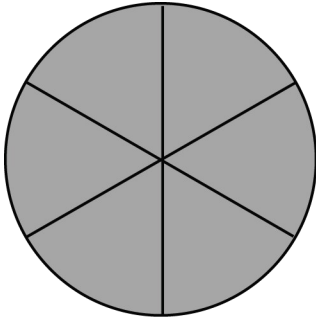
**B** white cake

**C** strawberry cake

**D** Italian cream cake



12 Which mixed number does the model represent?



**F**  $\frac{4}{6}$

**G**  $2\frac{2}{6}$

**H**  $3\frac{4}{6}$

**J**  $2\frac{4}{6}$

---

--	--