

- 1 Last winter, $\frac{1}{12}$ of Jonathan's basketball games were canceled due to bad weather. This winter, $\frac{3}{4}$ of his games were canceled. How many more games were canceled this year than last year?
- A $\frac{2}{3}$
- B $\frac{1}{6}$
- C $\frac{5}{6}$
- D $\frac{1}{3}$
- 2 May and her sister Summer helped their mother pick strawberries. May picked $6\frac{1}{2}$ pints of strawberries. Summer picked $7\frac{2}{3}$ pints of strawberries. How many more pints did Summer pick than May?
- A $\frac{1}{6}$
- B $1\frac{1}{6}$
- C $1\frac{1}{5}$
- D $\frac{1}{2}$

3

Ramon had a job mowing grass for his neighbor. He mowed $\frac{3}{10}$ of the yard and his neighbor mowed $\frac{2}{5}$ of the yard. How much of the yard was mowed all together?

A $\frac{1}{10}$

B $\frac{1}{5}$

C $\frac{3}{5}$

D $\frac{7}{10}$

4

Jerry's new green shoe laces are $24\frac{1}{8}$ inches long. His old black laces were $18\frac{7}{8}$ inches long. How much longer are the new laces?

A $5\frac{2}{3}$ inches

B $5\frac{3}{4}$ inches

C $5\frac{1}{4}$ inches

D $6\frac{1}{4}$ inches

5

Two boys are painting their bedrooms. Thomas has painted $\frac{5}{6}$ of his bedroom, and Thad has painted $\frac{3}{4}$ of his. How much more has Thomas painted than Thad?

A $\frac{1}{12}$

B $1\frac{7}{12}$

C $\frac{1}{5}$

D $\frac{1}{2}$

6

Robin's favorite pound cake recipe needs $2\frac{1}{3}$ cups of flour. She plans to make 2 cakes for a picnic. She has $4\frac{1}{2}$ cups of flour in her cabinet. How much more flour does she need to make the 2 cakes?

A $2\frac{1}{3}$ cups

B 1 cup

C $\frac{1}{6}$ cup

D $\frac{1}{3}$ cup

7

Jon had 10 bags of candy. He gave $8\frac{1}{2}$ bags to his little brother. How many bags did he have left?

A $1\frac{1}{2}$

B $9\frac{1}{2}$

C $2\frac{1}{2}$

D $18\frac{1}{2}$

8

$$\frac{5}{12} + \frac{10}{12} =$$

A $1\frac{1}{4}$

B $\frac{5}{8}$

C $\frac{5}{9}$

D $1\frac{1}{3}$

9

$$\begin{array}{r} 3\frac{5}{6} \\ - \frac{2}{3} \\ \hline \end{array}$$

A $2\frac{1}{6}$

B $3\frac{1}{2}$

C $3\frac{1}{6}$

D $2\frac{1}{3}$

10

What is the sum of $3\frac{1}{4}$ and $3\frac{1}{3}$?

A 7

B $6\frac{7}{12}$

C $6\frac{1}{12}$

D $6\frac{2}{7}$

11 What is the Least Common Denominator of the following fractions?

$$\frac{1}{6}$$

$$\frac{2}{3}$$

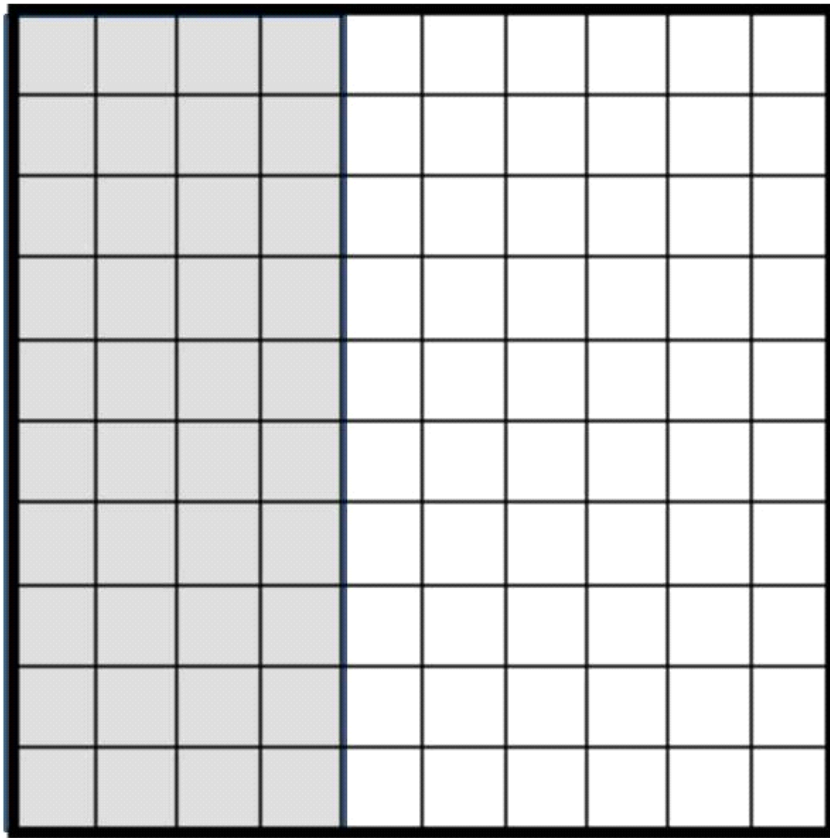
$$\frac{1}{8}$$

A 2

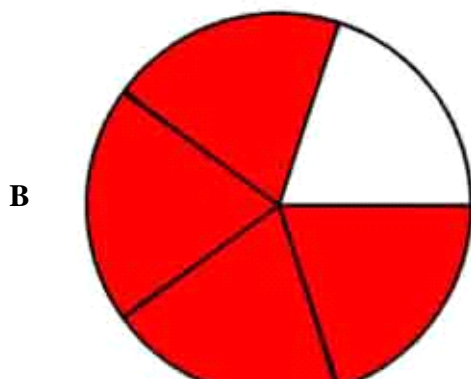
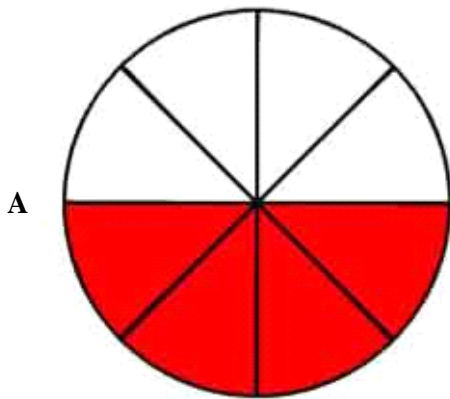
B 12

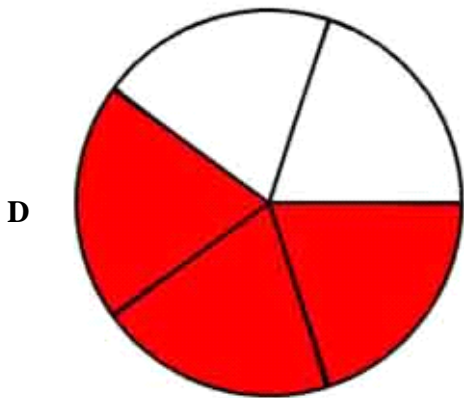
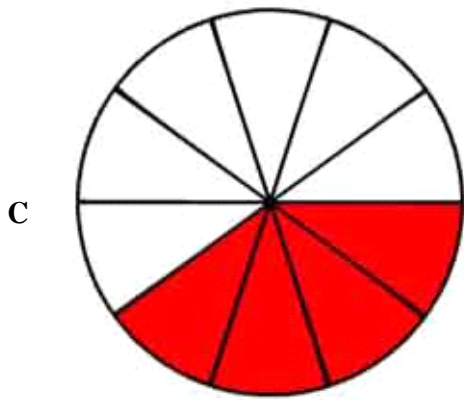
C 24

D 8



Select the fraction that is equivalent to the shaded in portion of the grid above.





13 $6 \frac{1}{2} - 4 \frac{1}{3} = ?$

A 2

B $2 \frac{1}{6}$

C $2 \frac{1}{3}$

D $1 \frac{1}{6}$

- 14 Jennifer needs $\frac{1}{2}$ cup of chocolate chips to make cookies. Which of the following amounts is equivalent to $\frac{1}{2}$ cup?
- A $\frac{2}{3}$ cup
 - B $\frac{4}{8}$ cup
 - C $\frac{6}{10}$ cup
 - D $\frac{2}{5}$ cup
- 15 Suni needs $\frac{2}{3}$ cup white sugar and $\frac{1}{4}$ cup brown sugar to make cookies. How much sugar is that all together?
- A $\frac{2}{12}$ cup
 - B $\frac{11}{12}$ cup
 - C $\frac{2}{7}$ cup
 - D $\frac{3}{7}$ cup
- 16 LeeAnn left home at 8:45 a.m. to go shopping. She returned at 7:35 p.m. How long was she away from home?
- A 10 hours 50 minutes
 - B 1 hour 10 minutes
 - C 10 hours 10 minutes
 - D 1 hour 50 minutes
- 17 Martha went to sleep at 9:40 p.m. and awoke at 7:50 a.m. How long did she sleep?
- A 11 hours 10 minutes
 - B 10 hours 10 minutes
 - C 9 hours 10 minutes
 - D 11 hours 11 minutes

- 18 **Lauren boarded a plane traveling to Miami at 4:15 a.m. in Roanoke. The plane made a stop in Atlanta. After the stop in Atlanta, the plane continued flying to Miami. Lauren's plane landed in Miami at 11:00 a.m. If the plane was in the air for a total of 3 hours and 15 minutes, how long was the stop in Atlanta?**
- A 3 hours 45 minutes
 - B 4 hours 30 minutes
 - C 3 hours 30 minutes
 - D 4 hours 15 minutes

- 19 **Derrick worked on a school project for 3 hours and 25 minutes. He finished his project at 8:15 p.m. What time did he begin working?**
- A 4:50 p.m.
 - B 11:40 p.m.
 - C 5:50 p.m.
 - D 10:40 p.m.

20



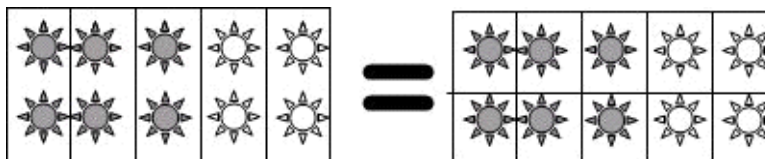
The clock shows the time Simon's mathematics class began. The class ended at 9:35. How long was the class?

- A 1 hour, 15 minutes
 - B 13 hours, 15 minutes
 - C 1 hour, 55 minutes
 - D 55 minutes
- 21 **Which decimal is equivalent to $\frac{3}{4}$?**
- A 0.4
 - B 0.75
 - C 0.57
 - D 0.3

22 $\frac{2}{5}$ is equivalent to —

- A 0.2
- B 0.02
- C 0.04
- D 0.4

23 Which statement correctly identifies these equivalent amounts?

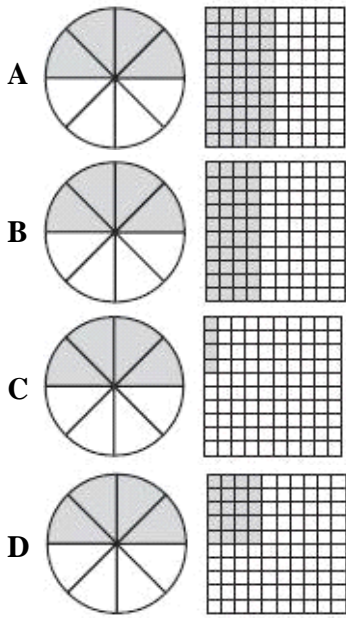


- A $0.6 = \frac{3}{10}$
- B $0.3 = 0.6$
- C $\frac{3}{5} = 0.6$
- D $\frac{3}{5} = \frac{3}{10}$

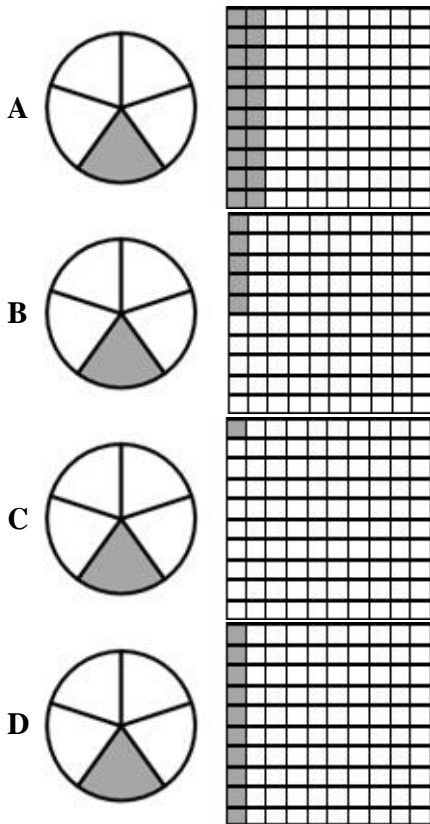
24 Which fraction is equivalent to 0.4 ?

- A $\frac{1}{25}$
- B $\frac{4}{5}$
- C $\frac{2}{5}$
- D $\frac{4}{100}$

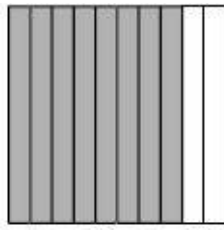
25 Which of the following shows a fraction model and a decimal model that both represent the same value?







26 Which pair of models represents the same value?



- 27 The figure below is shaded to represent a decimal.



Which of the following groups is shaded to represent a fraction with the same value as the decimal represented above?

- A 
- B 
- C 
- D 

- 28 Choose all the numbers that are rounded to the nearest tenth place

6.78
6.7
7.88
7.899

- 29 Directions: Click on each answer you want to select. You must select all correct answers.

Identify each fraction and decimal pair that are equivalent.

$$\frac{1}{2} = 0.25$$

$$\frac{3}{4} = 0.34$$

$$\frac{3}{8} = 0.375$$

$$\frac{3}{10} = 0.6$$

$$\frac{2}{5} = 0.4$$

30 Directions: Type your answer in the box. Use "." for the decimal point.

Which decimal is equivalent to $\frac{5}{8}$?

31 Which group of numbers is listed in order from least to greatest?

A $\frac{1}{4}$, 0.27, 0.5, $\frac{3}{5}$

B $\frac{1}{4}$, $\frac{3}{5}$, 0.5, 0.27

C 0.5, $\frac{1}{4}$, 0.27, $\frac{3}{5}$

D $\frac{3}{5}$, 0.5, $\frac{1}{4}$, 0.27

32 Which list of fractions is ordered from *least to greatest* ?

$\frac{2}{5}$	$\frac{3}{10}$	$\frac{1}{2}$	$\frac{3}{5}$
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A $\frac{3}{5}$, $\frac{1}{2}$, $\frac{2}{5}$, $\frac{3}{10}$

B $\frac{3}{10}$, $\frac{2}{5}$, $\frac{1}{2}$, $\frac{3}{5}$

C $\frac{1}{2}$, $\frac{2}{5}$, $\frac{3}{5}$, $\frac{3}{10}$

D $\frac{3}{10}$, $\frac{3}{5}$, $\frac{2}{5}$, $\frac{1}{2}$

33 Which is true?

A $11.254 > 11.245$

B $12.181 > 12.183$

C $10.254 > 10.425$

D $11.356 > 11.365$

34 Directions: Type your answer in the box. Use "." for the decimal point.

What decimal is equivalent to $\frac{3}{5}$?

35 Which group of numbers is listed in order from least to greatest?

A $1.12, 1\frac{4}{5}, 1.7, 1\frac{2}{3}, 1.1$

B $1.1, 1.12, 1\frac{2}{3}, 1.7, 1\frac{4}{5}$

C $1.1, 1\frac{4}{5}, 1\frac{2}{3}, 1.7, 1.12$

D $1.1, 1\frac{2}{3}, 1.7, 1\frac{4}{5}, 1.12$

36 Which group of numbers is listed in order from greatest to least?

$0.56, \frac{4}{5}, \frac{2}{3}, 1\frac{1}{4}, 0.125$

A $1\frac{1}{4}, \frac{4}{5}, \frac{2}{3}, 0.56, 0.125$

B $0.56, 0.125, \frac{4}{5}, \frac{2}{3}, 1\frac{1}{4}$

C $\frac{2}{3}, \frac{4}{5}, 0.56, 0.125, 1\frac{1}{4}$

D $0.125, 0.56, \frac{2}{3}, \frac{4}{5}, 1\frac{1}{4}$

37 Which group of numbers is listed in order from *least to greatest*?

A $0.6, \frac{3}{4}, \frac{1}{2}, 0.25$

B $\frac{3}{4}, 0.6, 0.25, \frac{1}{2}$

C $0.25, \frac{1}{2}, 0.6, \frac{3}{4}$

D $0.25, \frac{1}{2}, \frac{3}{4}, 0.6$

$$\frac{7}{12}, 0.7, \underline{?}, 1.72$$

Which number should replace the question mark so the numbers are in order from least to greatest?

- A 2.1
- B 1.856
- C $\frac{5}{8}$
- D $1\frac{2}{3}$

$$2\frac{3}{4}, \underline{?}, 1.51, 0.6$$

Which number should replace the question mark so the numbers are in order from greatest to least?

- A 1.247
- B $1\frac{5}{6}$
- C 0.32
- D $2\frac{7}{8}$

- 40 Directions: Click on each list of numbers you want to select. You must select all correct lists.

Identify the lists of numbers that are ordered from least to greatest.

$0.823, \frac{7}{8}, \frac{1}{5}, 0.3, 1\frac{1}{10}$	$1\frac{1}{3}, 0.8, \frac{7}{10}, 0.615, \frac{2}{5}$
$\frac{5}{12}, 0.452, 0.2, \frac{1}{2}, 1\frac{1}{4}$	$0.357, 0.4, \frac{3}{4}, \frac{4}{5}, 1\frac{7}{12}$
$\frac{7}{12}, 0.594, \frac{5}{8}, 0.7, 1\frac{3}{5}$	