Fill in the circle for the correct answer.

- 1. The table shows a spice blend Katrina is making. Which spice amount is less than $1\frac{1}{2}$ teaspoons?
 - (A) garlic

© turmeric

B cumin

(D) chili pepper

Spice Blend		
Spice	Teaspoons	
Garlic	1 3 8	
Cumin	$1\frac{3}{4}$	
Turmeric	$1\frac{2}{3}$	
Chili pepper	17/8	

- 2. In a package of 100 balloons, $\frac{6}{10}$ are red and $\frac{4}{10}$ are blue. Which shows the fraction of red balloons written with a denominator of 100?

- $\bigcirc \frac{6}{100} \qquad \bigcirc \bigcirc \frac{40}{100} \qquad \bigcirc \bigcirc \bigcirc \frac{60}{100}$
- 3. Jin uses the number lines to compare fractions. Which comparison is true?



- $\frac{3}{12}$ $\frac{4}{12}$ $\frac{5}{12}$ $\frac{6}{12}$ $\frac{7}{12}$ $\frac{8}{12}$
- (A) $\frac{1}{5} < \frac{2}{12}$

 $\bigcirc \frac{3}{5} > \frac{7}{12}$

(B) $\frac{2}{5} > \frac{5}{12}$

- ① $\frac{4}{5} < \frac{9}{12}$
- 4. Katie walked 0.9 mile to a soccer field. Which shows 0.9 written as a fraction?

- 5. Paige measures her plant to be $\frac{22}{100}$ meter tall. Which is the plant's height written as a decimal?
 - A 0.02 meter
- © 0.20 meter
- B 0.022 meter
- (D) 0.22 meter

- **6.** A trail is $\frac{7}{12}$ mile long. Which trail length is shorter than $\frac{7}{12}$ mile?

 - F $\frac{3}{8}$ mile G $\frac{5}{6}$ mile H $\frac{3}{4}$ mile K $\frac{2}{3}$ mile

Which shows the fraction in simplest form?

7. $\frac{8}{12}$

© $\frac{4}{6}$

8. $\frac{12}{30}$

- ① $\frac{2}{2}$

(E) $\frac{2}{20}$ $\bigcirc \frac{6}{15}$

 $\mathbb{K} \frac{1}{3}$

 $\oplus \frac{2}{5}$

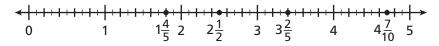
- **9.** Which fraction is **not** equivalent to $\frac{1}{8}$?
 - (A) $\frac{3}{24}$

(B) $\frac{16}{24}$

 \bigcirc $\frac{8}{48}$

(B) $\frac{5}{40}$

- ① $\frac{9}{72}$
- 10. Which fraction on the number line is closest to 3?



- (F) $1\frac{4}{5}$ (G) $2\frac{1}{2}$ (H) $3\frac{2}{5}$ (K) $4\frac{7}{10}$

Which is the number written in decimal form?

11. ninety-six hundredths

12. $3\frac{1}{10}$

- **A** 0.096
- © 0.96
- (F) 3.1

(H) 0.31

- **B** 0.906
- (D) 9.06

- **©** 3.01
- (K) 0.3

13. $10\frac{1}{100}$

- © 10.10
- (F) 8.04

14. eighty and forty hundredths

(H) 80.04

B 11.01

(A) 11.10

- (D) 10.01
- **©** 8.40
- (K) 80.40

15. Which statement is true?

(A)
$$\frac{3}{8} > \frac{9}{16}$$

$$\bigcirc$$
 $\frac{3}{8} = \frac{12}{16}$

(B)
$$\frac{3}{8} > \frac{4}{16}$$

①
$$\frac{3}{8} < \frac{6}{16}$$

16. Which statement is true?

(F)
$$\frac{4}{5} > \frac{18}{20}$$

$$\bigcirc$$
 $\frac{4}{5} < \frac{12}{20}$

$$\bigcirc K \frac{4}{5} < \frac{14}{20}$$

17. Which statement is true?

$$\bigcirc$$
 0.3 = 0.3

©
$$0.3 > 0.32$$

$$\bigcirc$$
 0.3 < 0.03

18. Which statement is true?

$$\oplus$$
 0.9 < 0.88

$$\bigcirc$$
 0.9 = 0.09

$$\bigcirc$$
 0.9 > 0.89

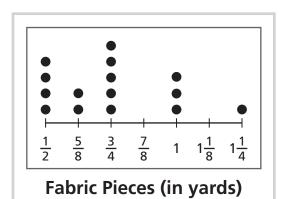
19. Which statement is true?

20. Which statement is true?

$$(K)$$
 30.2 = 3.2

Solve.

21. Riley bought some pieces of fabric to make patchwork bench covers. The line plot shows the sizes of the fabric pieces. Which general statement about the data is true?

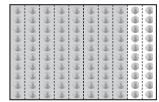


- (A) Most of the fabric pieces are longer than $\frac{3}{4}$ yard.
- (B) Most of the fabric pieces are shorter than $\frac{7}{8}$ yard.
- © Most of the fabric pieces are longer than $\frac{7}{8}$ yard.
- ① Most of the fabric pieces are shorter than $\frac{3}{4}$ yard.

22. The shaded part of the model represents the number of pennies in Li Ming's collection. Which shows the number of pennies written as a fraction and as a decimal?







(F)
$$2\frac{8}{10}$$
 or $2\frac{80}{100}$; 2.8 or 2.80

$$\oplus$$
 2 $\frac{2}{10}$ or 2 $\frac{20}{100}$; 2.2 or 2.20

G
$$2\frac{8}{10}$$
 or $2\frac{8}{100}$; 2.8 or 2.08

$$\&$$
 $2\frac{2}{10}$ or $2\frac{2}{100}$; 2.2 or 2.02

- 23. A full roll of stamps has 100 stamps. Manuel has one full roll and one roll with 4 stamps. Which decimal number represents the number of rolls of stamps Manuel has?
 - (A) 0.04
- (B) 0.40
- © 1.04
- (D) 1.40
- 24. A forest ranger saw 10 deer. There were 2 male and 8 female deer. Which decimal number shows the fraction of deer that were female?
 - (F) 0.08
- **©** 0.02
- (H) 0.2
- (K) 0.8
- 25. Farid measures the masses of four textbooks in kilograms. He records the data in the table.

Which is a true statement about the masses of the four l

r books?		
	3	
	4	
r books have the same mass.		

- (A) All four books have the same mass.
- B Books 1 and 3 have the same mass.
- © Books 1 and 4 have the same mass.
- D Books 2 and 4 have the same mass.

Masses of Books

Mass (kg) 1.12

1.20

1.02 1.2

Book