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
(C) turmeric
(B) cumin
(D) chili pepper

| Spice Blend |  |
| :--- | :---: |
| Spice | Teaspoons |
| Garlic | $1 \frac{3}{8}$ |
| Cumin | $1 \frac{3}{4}$ |
| Turmeric | $1 \frac{2}{3}$ |
| Chili pepper | $1 \frac{7}{8}$ |

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 ?
(F) $\frac{4}{100}$
(G) $\frac{6}{100}$
(H) $\frac{40}{100}$
(®) $\frac{60}{100}$
3. Jin uses the number lines to compare fractions. Which comparison is true?

(A) $\frac{1}{5}<\frac{2}{12}$
(C) $\frac{3}{5}>\frac{7}{12}$
(B) $\frac{2}{5}>\frac{5}{12}$
(D) $\frac{4}{5}<\frac{9}{12}$
4. Katie walked 0.9 mile to a soccer field. Which shows 0.9 written as a fraction?
(F) $\frac{9}{10}$
(G) $\frac{1}{9}$
(H) $\frac{9}{100}$
(®) $\frac{1}{90}$
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
(C) 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
(®) $\frac{2}{3}$ mile
Which shows the fraction in simplest form?
7. $\frac{8}{12}$
8. $\frac{12}{30}$
(A) $\frac{32}{48}$
(C) $\frac{4}{6}$
(F) $\frac{2}{20}$
(H) $\frac{2}{5}$
(B) $\frac{16}{24}$
(D) $\frac{2}{3}$
(G) $\frac{6}{15}$
(1) $\frac{1}{3}$
9. Which fraction is not equivalent to $\frac{1}{8}$ ?
(A) $\frac{3}{24}$
(C) $\frac{8}{48}$
(B) $\frac{5}{40}$
(D) $\frac{9}{72}$
10. Which fraction on the number line is closest to 3 ?

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

Which is the number written in decimal form?
11. ninety-six hundredths
(A) 0.096
(C) 0.96
(F) 3.1
$\oplus(H) 0.31$
(B) 0.906
(D) 9.06
(G) 3.01
(®) 0.3
13. $10 \frac{1}{100}$
(A) 11.10
(C) 10.10
(F) 8.04
(H) 80.04
(B) 11.01
(D) 10.01
(G) 8.40
(1) 80.40
16. Which statement is true?
(F) $\frac{4}{5}>\frac{18}{20}$
(H) $\frac{4}{5}=\frac{16}{20}$
(G) $\frac{4}{5}<\frac{12}{20}$
(®) $\frac{4}{5}<\frac{14}{20}$
18. Which statement is true?
(A) $0.3=0.3$
(C) $0.3>0.32$
(B) $0.3<0.03$
(D) $0.3<0.23$
19. Which statement is true?
(A) $1.05<1.0$
(C) $1.05<1.50$
(B) $1.05>1.2$
(D) $1.05>1.25$
20. Which statement is true?
(F) $30.2<3.5$
(H) $30.2<3.25$
(G) $30.2>3.02$
(1) $30.2=3.2$

## 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?


Fabric Pieces (in yards)
(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.
(C) Most of the fabric pieces are longer than $\frac{7}{8}$ yard.
(D) 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?

| 4 | 4 | 1 | 2 | 1 | 4 | 1 | $\pm$ | 4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 4 | 1 | 2 | 2 | 4 | 4 | 3 | - |  |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |
| 4 | 4 | 1 | 5 | 1 | 1 | 2 | 4 | 4 |  |
| 4 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | 1 |  |
| 4 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 4 |  |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |
| 4 | 4 | 4 | 1 | 4 | 4 | 1 | 1 | 4 |  |
| 2 | 4 | 1 | 4 | 2 | 2 | 4 | 4 | - |  |
| 4 | 4 | $\pm$ | 4 | 1 | + | + | + | 1 |  |


(F) $2 \frac{8}{10}$ or $2 \frac{80}{100} ; 2.8$ or 2.80
(H) $2 \frac{2}{10}$ 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
(C) 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
(G) 0.02
(H) 0.2
(1) 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 books?
(A) All four books have the same mass.

| Masses of Books |  |
| :---: | :---: |
| Book | Mass (kg) |
| 1 | 1.12 |
| 2 | 1.20 |
| 3 | 1.02 |
| 4 | 1.2 |

(B) Books 1 and 3 have the same mass.
(C) Books 1 and 4 have the same mass.
(D) Books 2 and 4 have the same mass.

