| Math 4th Grade Benchmark Assessment 2 |
| --- |
|  Standards: 4.NF.1, 4.NF.2, 4.NF.3, 4.NF.4, 4.NF.5, 4.NF.6, 4.NF.7 |
| # | Standard | Question |
| 1 | 4.NF.1 | Which of the following fractions is NOT equivalent to $\frac{1}{2}$ ? |
| 2 | 4.NF.1 | Which of the following fractions are equivalent to the model below? Choose all that apply. * A. $\frac{2}{3}$
* B. $\frac{3}{4}$
* C. $\frac{6}{8}$
* D. $\frac{10}{12}$
 |
| 3 | 4.NF.2 | Look at the fraction strips below. Use them to answer the question. Which statement is true?1. $\frac{1}{5} $> $\frac{1}{3}$
2. $\frac{2}{5}$ < $\frac{1}{3}$
3. $\frac{3}{5}$ < $\frac{2}{3}$
4. $\frac{4}{5}$ < $\frac{2}{3}$
 |
| 4 | 4.NF.2 | Which fraction below is GREATER THAN the model?1. $\frac{1}{2}$
2. $\frac{1}{3}$
3. $\frac{1}{4}$
4. $\frac{1}{5}$
 |
| 5 | 4.NF.2 | Amir shaded $\frac{2}{3}$ of a circle red. Marissa shaded $\frac{1}{4}$ of the same circle yellow. Which correctly compares the fractions of the circle that Amir and Marissa shaded?1. $\frac{2}{3}$ > $\frac{1}{4}$
2. $\frac{2}{3}$ < $\frac{1}{4}$
3. $\frac{2}{3}$ + $\frac{1}{4}$
4. $\frac{2}{3}$ = $\frac{1}{4}$
 |
| 6 | 4.NF.3 | Which equation below **best** represents this model? 1. $\frac{5}{4}$ = $\frac{1}{4}$ x $\frac{1}{4}$ x$ \frac{1}{4}$ x $\frac{1}{4}$ x $\frac{1}{4}$
2. $\frac{5}{4}$ = 5 x $\frac{1}{4}$
3. $\frac{2}{3}$ = $\frac{1}{4}$
4. $\frac{2}{3}$ = $\frac{1}{4}$
 |
| 7 | 4.NF.3 | Which of the following shows a correct way to decompose the fraction $\frac{7}{8}$?1. $\frac{6}{7}$ + $\frac{1}{1}$
2. $\frac{8}{8}$ - 1
3. $\frac{2}{8}$ + $\frac{2}{8}$ + $\frac{2}{8}$ + $\frac{1}{8}$
4. $\frac{9}{8}$ - $\frac{2}{8}$ - $\frac{1}{8}$
 |
| 8 | 4.NF.3 | Jason runs on a racecourse that is 3$\frac{5}{8}$ miles long. He has run 1$\frac{1}{8}$ miles. How many more miles must Jason run to reach the end of the racecourse?1. 1$\frac{4}{8}$
2. 2$\frac{2}{8}$
3. 2$\frac{4}{8}$
4. 3
 |
| 9 | 4.NF.4 | What whole number multiplied by $\frac{1}{4}$ would have a product of $\frac{5}{4}$?1. 1
2. 4
3. 5
4. 2
 |
| 10 | 4.NF.4 | Which expression will have the same product as 4 x $\frac{2}{5}$?1. 8 x $\frac{1}{5}$
2. 8 x $\frac{2}{5}$
3. 4 x $\frac{1}{5}$
4. 4 x $\frac{2}{10}$
 |
| 11 | 4.NF.4 | Ms. McCoy was baking cookies for the fourth grade classes. The recipe required $\frac{3}{4}$ of a cup of chocolate chips for each batch. Ms. McCoy needed to make 5 batches. How many cups of chocolate chips did Ms. McCoy use? 1. 3$\frac{3}{4}$ cups
2. 5$\frac{3}{4}$ cups
3. $\frac{8}{4}$ cups
4. $\frac{15}{20}$ cups
 |
| 12 | 4.NF.5 & 4.NF.6 | Today at school, $\frac{3}{10}$ of Jody’s class bought a hot lunch and $\frac{40}{100}$ bought a sandwich. What fraction, in decimal form, of Jody’s class bought a hot lunch or a sandwich for lunch today? 1. 0.01
2. 0.1
3. 0.7
4. 0.07
 |
| 13 | 4.NF.5 & 4.NF.6 | Which of the follow is the same as 0.95?1. 9 +$ \frac{5}{10}$
2. $\frac{9}{10}$ + $\frac{5}{10}$
3. $\frac{9}{10}$ + $\frac{5}{100}$
4. 9 + $\frac{5}{100}$
 |
| 14 | 4.NF.5 & 4.NF.6 | Which fraction and decimal pair does the X represent on the number line below?1. $\frac{6}{100}$ and 0.06
2. $\frac{6}{10} $and 0.6
3. $\frac{6}{100}$ and 0.6
4. $\frac{6}{10}$ and 0.06
 |
| 15 | 4.NF.7 | Which statement correctly compares the models?1. 0.18 = 0.25
2. 0.25 < 0.18
3. 0.25 > 0.18
4. 0.18 > 0.25
 |
| 16 | 4.NF.7 | Look at the inequality shown below.**5.07 > \_\_\_**Which values will correctly complete the inequality?Choose the TWO correct answers* A. 5.02
* B. 5.4
* C. 5.09
* D. 5.1
* E. 5.05
* F. 5.07
 |

**Answer Key**

| # | Standard | Answer | # | Standard | Answer |
| --- | --- | --- | --- | --- | --- |
| 1 | 4.NF.1 | C | 9 | 4.NF.4 | C |
| 2 | 4.NF.1 | B, C | 10 | 4.NF.4 | A |
| 3 | 4.NF.2 | C | 11 | 4.NF.4 | A |
| 4 | 4.NF.2 | A | 12 | 4.NF.5 & 4.NF.6 | C |
| 5 | 4.NF.2 | A | 13 | 4.NF.5 & 4.NF.6 | C |
| 6 | 4.NF.3 | B | 14 | 4.NF.5 & 4.NF.6 | B |
| 7 | 4.NF.3 | C | 15 | 4.NF.7 | C |
| 8 | 4.NF.3 | C | 16 | 4.NF.7 | A, E |