Math 4th Grade Benchmark Assessment 2
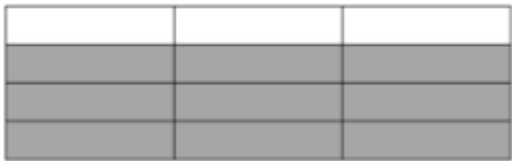
Standards: 4.NF.1, 4.NF.2, 4.NF.3, 4.NF.4, 4.NF.5, 4.NF.6, 4.NF.7

#	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.

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Fraction Strips				
$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$
$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$
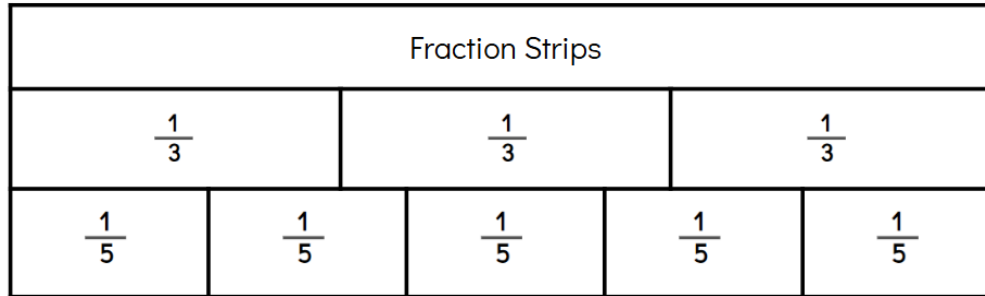
Which statement is true?

A. $\frac{1}{5} > \frac{1}{3}$

B. $\frac{2}{5} < \frac{1}{3}$

C. $\frac{3}{5} < \frac{2}{3}$
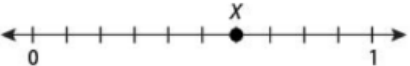
D. $\frac{4}{5} < \frac{2}{3}$
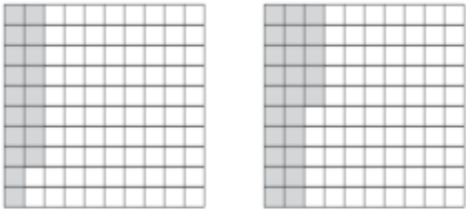
4	4.NF.2	Which fraction below is GREATER THAN the model?

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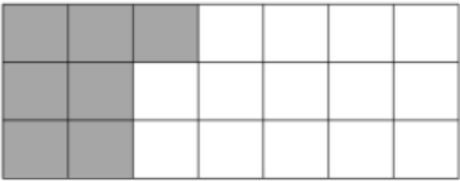
B. $\frac{1}{3}$

C. $\frac{1}{4}$

D. $\frac{1}{5}$

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?

A. $\frac{2}{3} > \frac{1}{4}$

B. $\frac{2}{3} < \frac{1}{4}$

C. $\frac{2}{3} + \frac{1}{4}$

D. $\frac{2}{3} = \frac{1}{4}$

6	4.NF.3	Which equation below **best** represents this model?
		A. $\frac{5}{4} = \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$
		B. $\frac{5}{4} = 5 \times \frac{1}{4}$
		C. $\frac{2}{3} = \frac{1}{4}$
		D. $\frac{2}{3} = \frac{1}{4}$
7	4.NF.3	Which of the following shows a correct way to decompose the fraction $\frac{7}{8}$?
		A. $\frac{6}{7} + \frac{1}{1}$
		B. $\frac{8}{8} - 1$
		C. $\frac{2}{8} + \frac{2}{8} + \frac{2}{8} + \frac{1}{8}$
		D. $\frac{9}{8} - \frac{2}{8} - \frac{1}{8}$

8	4.NF.3	Jason runs on a racecourse that is $3\frac{5}{8}$ miles long. He ran $1\frac{1}{8}$ mile.
		How many more miles must Jason run to reach the end of the racecourse?
		A. $1\frac{4}{8}$
		B. $2\frac{2}{8}$
		C. $2\frac{4}{8}$
		D. 3
9	4.NF.4	What whole number multiplied by $\frac{1}{4}$ would have a product of $\frac{5}{4}$?
		A. 1
		B. 4
		C. 5
		D. 2
10	4.NF.4	Which expression will have the same product as $4 \times \frac{2}{5}$?
		A. $8 \times \frac{1}{5}$
		B. $8 \times \frac{2}{5}$
		C. $4 \times \frac{1}{5}$
		D. $4 \times \frac{2}{10}$

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? A. $3\frac{3}{4}$ cups B. $5\frac{3}{4}$ cups C. $\frac{8}{4}$ cups D. $\frac{15}{20}$ 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? A. 0.01 B. 0.1 C. 0.7 D. 0.07

13	4.NF.5 & 4.NF.6	Which of the following is the same as 0.95? A. $9 + \frac{5}{10}$ B. $\frac{9}{10} + \frac{5}{100}$ C. $\frac{9}{10} + \frac{5}{10}$ D. $9 + \frac{5}{100}$
14	4.NF.5 & 4.NF.6	Which fraction and decimal pair does the X represent on the number line below? A. $\frac{6}{100}$ and 0.06 B. $\frac{6}{10}$ and 0.6 C. $\frac{6}{100}$ and 0.6 D. $\frac{6}{10}$ and 0.06

15	4.NF.7	Which statement correctly compares the models?
		A. 0.18 = 0.25
		B. 0.25 < 0.18
		C. 0.25 > 0.18
		D. 0.18 > 0.25
16	4.NF.7	Look at the equation shown below.
		5.07 > ___
		Which values will correctly complete the equation?
		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	B
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