## Chapter 9 Test

## Summative Assessment

Use the Chapter Test to assess students' progress in Chapter 9.

Chapter Tests are presented in Common Core assessment formats in the Chapter Resources.

Personal Math Trainer


| Name |  |  |
| :---: | :---: | :---: |
| 1. Frank and Dwayne weed their gardens that are the same size. Frank's garden is divided into 6 equal sections. Dwayne's garden is divided into 4 equal sections. Each boy has weeded 2 sections of his garden. |  |  |
| Write a fraction to describe what part of his garden each boy has weeded. Then tell who weeded a larger area. Explain. |  |  |
| Frank: $\frac{2}{6}$; Dwayne: $\frac{2}{4}$; Dwayne: $\frac{2}{4}>\frac{2}{6}$. Possible explanation: |  |  |
| the denominators are different. The garden with the greate number of sections will have a smaller area per section. |  |  |
| 2. Eli, Beth, and Cory are reading the same book for class. Eli read $\frac{3}{4}$ of his book. Beth read $\frac{3}{8}$ of her book and Cory read $\frac{3}{6}$ of his book. |  |  |
| For 2a-2d, choose Yes or No to indicate whether the comparisons are correct. |  |  |
| 2a. $\frac{3}{4}>\frac{3}{8}$ | - Yes | - No |
| 2b. $\frac{3}{6}<\frac{3}{8}$ | - Yes | - No |
| 2. $\frac{3}{8}=\frac{3}{6}$ | - Yes | - No |
| 2d. $\frac{3}{6}<\frac{3}{4}$ | - Yes | - No |

3. Mark and Lisa are on the swim team. Mark swims $\frac{3}{3}$ mile each day. Lisa swims $\frac{5}{2}$ mile each day. Whic statement is correct? Mark all that apply.
A) Mark swims farther than Lisa each day.

B Lisa swims the same distance as Mark each day.

- Lisa swims less than 1 mile each day Lisa swims farther than Mark each day.


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4. MacKenzie and Cassie used fabric to make costumes for a play. MacKenzie used $\frac{3}{4}$ yard of fabric and Cassie you used to solve the problem.

Cassie; Possible explanation: I used the missing pieces strategy. Cassie's measurement is missing $\frac{1}{6}$ and MacKenzie's measurement is missing $\frac{1}{4} \cdot \frac{1}{4}>\frac{1}{6}$, so MacKenzie had the larger missing piece and Cassie used more fabric.
5. The soccer team practices passing for $\frac{3}{4}$ hour and shooting for $\frac{4}{5}$ hour. On which drill does the team spend less time? Explain how you can use the model to find the answer.


Passing; the model for $\frac{3}{4}$ is shorter than the model for $\frac{4}{5^{\circ}}$
6. Andrew bought $\frac{7}{8}$ pound of mixed nuts. Margaret bought $\frac{5}{8}$ pound of mixed nuts.

Use the fractions and symbols to show which amount is greater


## Data-Driven Decision Making

## RtI

Based on the results of the Chapter Test use the following resources to review skills.

| Item | Lesson | Standards | Content Focus | Personal Math Trainer | Intervene with |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1, 2, 10 | 9.3 | 3.NF.A.3d | Compare fractions with the same numerator. | 3.NF.A.3d | R-9.3 |
| 3, 6, 11 | 9.2 | 3.NF.A.3d | Compare fractions with the same denominator. | 3.NF.A.3d | R-9.2 |
| $\begin{gathered} 4,12,13,15 \\ 19 \end{gathered}$ | 9.4 | 3.NF.A.3d | Compare fractions. | 3.NF.A.3d | R-9.4 |
| 5, 9 | 9.1 | 3.NF.A.3d | Compare fractions to solve problems. | 3.NF.A.3d | R-9.1 |
| 7, 18, 20 | 9.6 | 3.NF.A.3a | Use models to find equivalent fractions. | 3.NF.A.3a | R-9.6 |
| 8,14 | 9.7 | 3.NF.A.3b | Name equivalent fractions. | 3.NF.A.3b | R-9.7 |
| 16, 17 | 9.5 | 3.NF.A.3d | Compare and order fractions. | 3.NF.A.3d | R-9.5 |

Key: R—Reteach (in the Chapter Resources)



