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	Chapter 9 Test Page 1	Name		Chapter 9 Test Page 2
 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. 	e	 MacKenzie and Cassie used for a play. MacKenzie used used ⁵/₈ yard. Who used mor you used to solve the probl 	I fabric to make costumes $\frac{3}{4}$ yard of fabric and Cassie e fabric? Explain the strategem.	уу
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: $\frac{2}{4} > \frac{2}{6}$. Possible explanation:	1	Cassie; Possible explanation strategy. Cassie's measurem measurement is missing 1, 1 larger missing piece and Ca	: I used the missing pieces ent is missing $\frac{1}{6}$ and MacKer $> \frac{1}{6}$, so MacKenzie had the ssie used more fabric.	nzie's
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 2c. $\frac{3}{8} < \frac{3}{8}$ Yes No	- -	5. The soccer team practices shooting for $\frac{4}{5}$ hour. On whiless time? Explain how you answer. $ \frac{1}{4} \frac{1}{4} \frac{1}{4} $ Passing; the model for $\frac{3}{4}$ is the solution of the s	cassing for $\frac{3}{4}$ hour and ch drill does the team spen- can use the model to find the 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +	d he
2d. $\frac{3}{6} < \frac{3}{4}$ • Yes • No 3. Mark and Lisa are on the swim team. Mark swims $\frac{3}{6}$ mile each day. Lisa swims $\frac{5}{6}$ mile each day. Which		6. Andrew bought ⁷ / ₈ pound of bought ⁵ / ₈ pound of mixed n Use the fractions and symbols	mixed nuts. Margaret uts. ols to show which amount i	s
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.		greater.	< > >	
Chapter Resources 9-19	GO ON Chapter 9 Test	Chapter Resources © Houghton Millin Narcourt Publishing Company	9-20	GO ON Chapter 9 Test



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
4, 12, 13, 15, 19	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)



Name	Chapter 9 Test Page 5	Name	Chapter 9 Test Page 6	
 13. Sarah needs ⁶/₆ yard of ribbon to wrap a gift. She has 6 pieces of ribbon with the following lengths. She can cut the piece if it is too long. Mark all of the pieces of ribbon that Sarah could use. ¹/₂ yard ⁶/₆ yard ⁶/₆ yard ⁶/₂ yard ⁶/₂ yard ⁶/₂ yard 		 17. Ben measures the lengths of three insects. Draw a line to match each length on the left to the word on the right that describes its place in the order of lengths. ³/₄ inch ³/₈ inch 		
		18. Kerri drew a model to show equivalent fractions.		
 14. There are 8 people having breakfast. Each person wants ¹/₂ of an omelet. How many whole omelets are needed? Use the models to show your answer. Check students' drawings. Drawings 	IS	Use the model to complete the number sentence. $\frac{2}{3} = -\frac{4}{6}$ 19. Elaine brought $\frac{3}{4}$ pound of potato salad to a picnic. Jake brought $\frac{2}{5}$ pound of macaroni salad. Who brought	-	
should show 4 omelets divided into halves.		more salad? Explain the strategy you used to solve the problem.		
15. Michele mixed $\frac{3}{4}$ cup of flour with $\frac{1}{2}$ cup of water to make paste for an art project. Compare the fractions. Choose the symbol that makes the statement true.		Elaine; Possible explanation: I think about the missing plet from $\frac{2}{3}$ which is $\frac{1}{3}$, and the missing plete from $\frac{3}{4}$ which is $\frac{1}{4}$. $\frac{1}{4} < \frac{1}{3}$, and the fraction with the smaller missing plete is la	ce - - rger. -	
$\frac{3}{4} = \frac{1}{2}$		20. It took Mike $\frac{2}{6}$ hour to clean his room.		
16. Jeff has three boxes that weigh $\frac{5}{8}$, $\frac{1}{8}$, and $\frac{3}{8}$ pound. Write the weights in order from least to greatest.		What fraction is equivalent to $\frac{2}{6}$? $\frac{1}{2} = \frac{2}{2}$		
1 3 5 8' 8' 8	GO ON	3 b	STOP	
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Portfolio Suggestions

The portfolio represents the growth, talents, achievements, and reflections of the mathematics learner. Students might spend a short time selecting work samples for their portfolios.

You may want to have students respond to the following questions:

- What new understanding of math have I developed in the past several weeks?
- What growth in understanding or skills can I see in my work?
- What can I do to improve my understanding of math ideas?
- What would I like to learn more about?

For information about how to organize, share, and evaluate portfolios, see the *Chapter Resources*.