

STAAR CONNECTION™

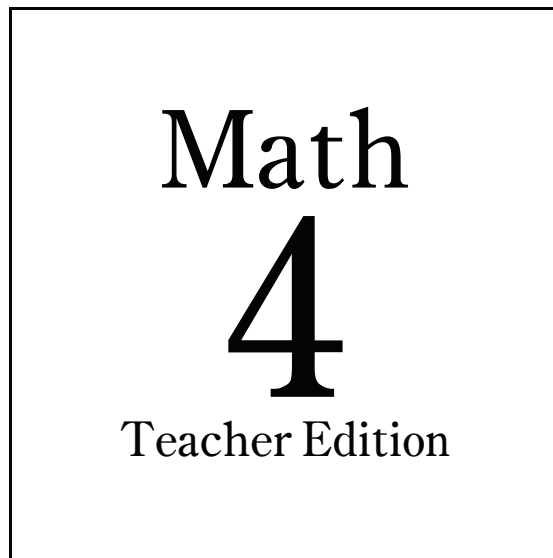
Diagnostic Series™

Math
4
teacher



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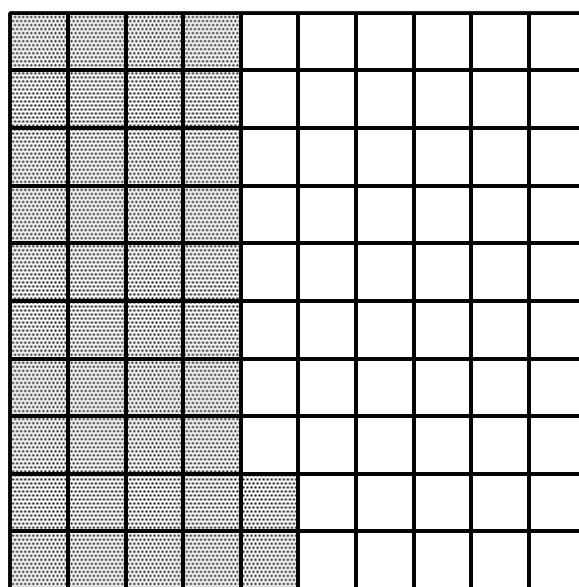
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KAMICO® Instructional Media, Inc.
STAAR CONNECTION™
Diagnostic Series™
Grade 4 Math
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Name _____ Date _____

- 1 To count to one billion, if you counted one number every second without stopping, it would take 31 years, 251 days, 7 hours, 46 minutes, and 40 seconds. How is one billion written?
- A 1,000,000
- B 100,000,000
- C 1,000,000,000
- D 1,000,000,000,000
- 2 The model is shaded to represent 0.42.



If you shade 0.02 more, which fraction will be represented by the model?

F $\frac{42}{100}$

H $\frac{44}{100}$

G $\frac{62}{100}$

J $\frac{242}{100}$

- 3 The table shows the average weight in pounds of several types of monkeys.

Monkey	Average Weight of Adult (in pounds)	
	Male	Female
Marmoset	0.16	0.14
Macaque	15	11
Capuchin	13.2	13.2
Spider Monkey	14	14



Based on the information in the chart, what is the combined average weight of 5 male macaques?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

- 4 Which number sentence is **not** in the same family of facts as $45 \div 9 = 5$?

F $9 \times 5 = 45$

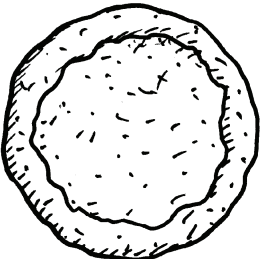
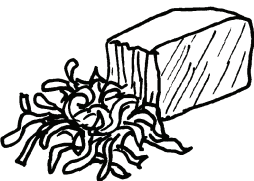
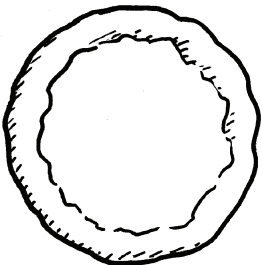
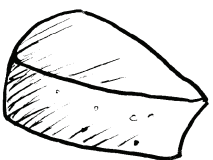
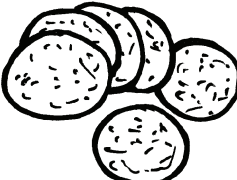
G $5 \times 9 = 45$

H $45 \div 5 = 9$

J $45 \div 9 \div 5 = 1$

- 5** Hunter is making a jewelry box for his sister. He wants each of the corners of the box to meet at right angles. Which of the following best describes a right angle?
- A** an angle that measures less than 90°
 - B** an angle that measures more than 90°
 - C** an angle that measures exactly 90°
 - D** an angle that is always correct
- 6** Ellie is going to the feed store. She is buying a garden hose, a dog toy, a bale of hay, and a jar of honey. Which of these items would weigh around 15 pounds?
- F** garden hose
 - G** dog toy
 - H** bale of hay
 - J** jar of honey

- 7 Alana invites friends to a make-your-own-pizza birthday party. Guests at the party can choose from 2 different crusts, 2 different sauces, 3 different cheeses, and 4 different toppings.

Crust	Sauce	Cheese	Topping
 whole wheat	 gourmet	 mozzarella	 mushrooms
 white	 regular	 asiago	 pepperoni
		 provolone	 sausage
			 black olives

How many possible combinations of pizza can be made at Alana's birthday party?

- A 48
- B 15
- C 11
- D 4

- 8** Delisa is painting her living room. She uses 4 gallons of paint for the walls and 32 ounces of paint for the trim. How many quarts of paint does she use for the walls and how many quarts of paint does she use for the trim?
- F** 16 qt for walls, 2 qt for trim
- G** 4 qt for walls, 1 qt for trim
- H** 1 qt for walls, 16 qt for trim
- J** 16 qt for walls, 1 qt for trim

Student
Name:

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Grade 4
Diagnostic Series Math

NOTE:

KAMICO® supports cross-curricular teaching strategies and encourages efforts to apply, transfer, and integrate knowledge across multiple content areas. Therefore, many assessments in this math book reinforce a grade 4 social studies, health, or science concept.

Math assessment questions are listed below by reporting category and TEKS. Circle the number of any question that has been answered incorrectly. Next, circle the TEKS that needs additional reinforcement.

Assessment 1						
Question Number	Answer	Reporting Category	TEKS	Process Skill	Readiness or Supporting Standard	Subject Matter Reinforced
1	C	1	4.1A	4.14A	Readiness	
2	H	1	4.2D	4.15A	Readiness	
3	75	1	4.4C	4.14B	Supporting	Science
4	J	2	4.6A	4.15A	Supporting	
5	C	3	4.8A	4.15A	Supporting	
6	F	4	4.11A	4.14A	Readiness	
7	A	5	4.13A	4.14A	Supporting	
8	J	4	4.11B	4.14B	Supporting	