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Introduction

The *Minutes to Mastery* series was designed to help students build confidence in their math abilities during testing situations. As students develop fluency with math facts and operations, they improve their abilities to do different types of math problems comfortably and quickly.

Each of the 100 tests in this book has 10 questions in key math areas. Multiple opportunities are presented to solve the standards-based problems while developing speed and fluency. The pages present problems in a variety of ways using different terminology. For instance, in subtraction, students might be asked to *subtract* or to *find the difference*. Terms like *less* and *minus* are both used to ensure that students are comfortable with different phrasings. Word problems are included to provide additional practice decoding text for clues. Critical thinking and abstract reasoning play such an important role in solving math problems, and practice is imperative.

Keep in mind, timing can sometimes add to the stress of learning. If this is the case for your math learner(s), don't focus on timing in the beginning. As confidence in the process of answering a number of different types of questions builds, so will accuracy and speed. Then you can introduce timing.
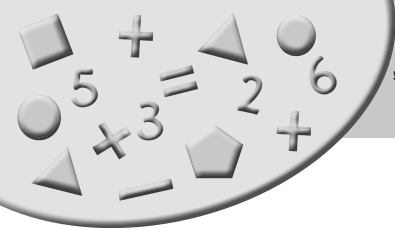
Establish a timing system that works well for your group. Here are steps to help you get started:

1. Present a worksheet without officially timing it to get a sense of how long it will take to complete—perhaps 10 minutes. Ideally, you want all ten questions per page to be answered.

2. Allow students to practice using the preferred timer before taking a timed test.

3. Remind students to write their answers neatly.

4. Take a few timed tests and see how it works. Adjust the time as needed.

5. Work to improve the number of correct answers within the given time. Remind students that it is important to be accurate, not just fast!

6. Encourage students to try to do their best each time, to review their results, and to spend time working on areas where they had difficulties. The Tracking Sheet can be used to record the number of correct answers for each test. The final column can be used for the date the test was taken or for initials.
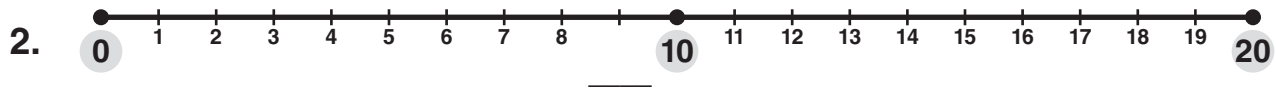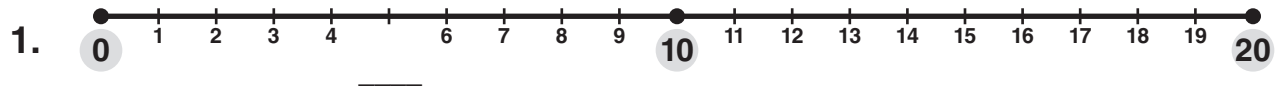
The section at the bottom of each page can be used to record specific progress on that test, including the time the student started the test, finished the test, the total time taken, how many problems were completed, and how many problems were correct.

Hopefully, with practice, all students will begin challenging themselves to go faster, while remaining accurate and writing clearly.
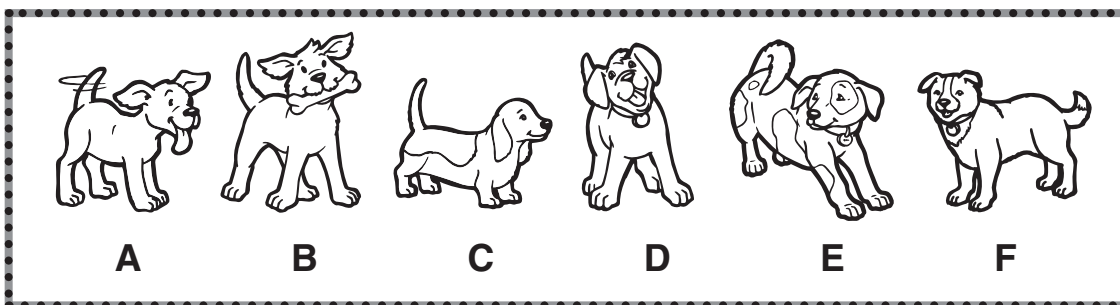
Name _____　Date _____

Write the missing number for each number line.

1.　0　1　2　3　4　___　6　7　8　9　10　11　12　13　14　15　16　17　18　19　20

2.　0　1　2　3　4　5　6　7　8　___　10　11　12　13　14　15　16　17　18　19　20

Look at the parade of dogs and answer the questions below.

A　　　B　　　C　　　D　　　E　　　F

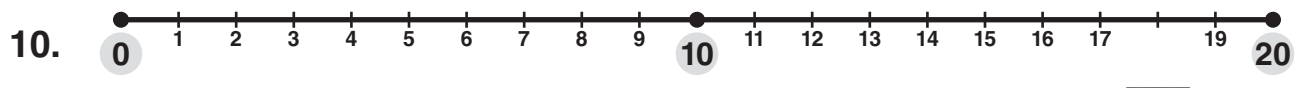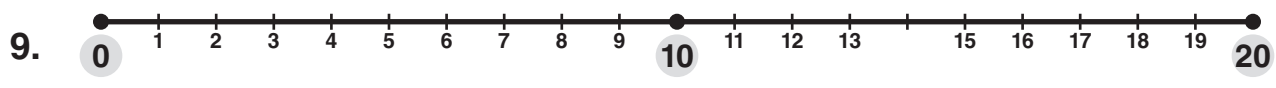**3.** Which dog is fourth? _____　　　**4.** Which dog is first? _____

5. Which dog is sixth? _____　　　**6.** Which dog is second? _____

7. Which dog is fifth? _____　　　**8.** Which dog is third? _____

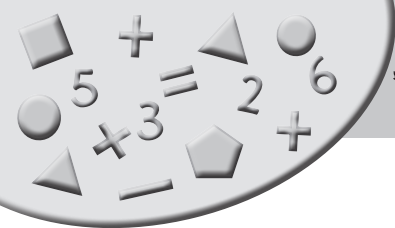**Write the missing number for each number line.**

9.　0　1　2　3　4　5　6　7　8　9　10　11　12　13　___　15　16　17　18　19　20

10.　0　1　2　3　4　5　6　7　8　9　10　11　12　13　14　15　16　17　___　19　20

Started:	Finished:	Total Time:	Completed:	Correct:

Mixed Equations

Name _____ Date _____

Solve the problems.

1.	23	**2.**	243	**3.**	98	**4.**	765
	+ 43		+ 543		− 67		− 632

Use the correct sign (+ or −) for each set of numbers.

5. 25 ( ) 5 = 30

6. 18 ( ) 9 = 9

7. 50 ( ) 25 = 75

8. 22 ( ) 10 = 32

Solve the word problems. Show your work.

9. There are three fourth grade classes at Tia's school. Each class has 20 students. How many students are there altogether?

_____ **students**

10. Lee has 45 toys on the shelves in his room. He decided to give 15 to his brother. How many toys does he have left?
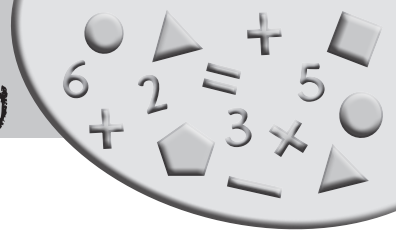
_____ **toys**

Started:	Finished:	Total Time:	Completed:	Correct:

Name _____ Date _____

Answer the questions about coins.

1. How many pennies equal one quarter? _____

2. How many nickels equal one dime? _____

3. How many nickels equal one quarter? _____

Answer the questions about a dollar bill.

4. A dollar bill is the same as _____ pennies.

5. A dollar bill is the same as _____ nickels.

6. A dollar bill is the same as _____ dimes.

7. A dollar bill is the same as _____ quarters.

How much money is in each group?

8. ⊙ + ⊙ + ⊙ = _____¢

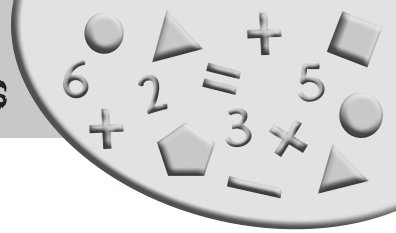**9.** ⊙ + ⊙ + ⊙ + ⊙ + ⊙ + ⊙ = _____¢

10. ⊙ + ⊙ + ⊙ + ⊙ = _____¢

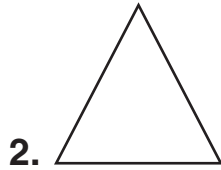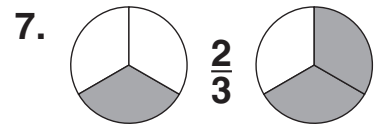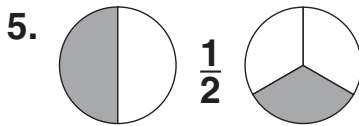| Started:	Finished:	Total Time:	Completed:	Correct:

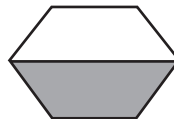Name _____ Date _____

Divide each shape in half. Shade one half.

1.

2.

3.

4.
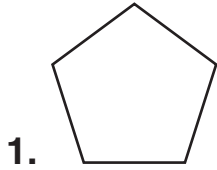
Circle the shape that is divided to match the fraction in the middle.

5. $\frac{1}{2}$

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

7. $\frac{2}{3}$

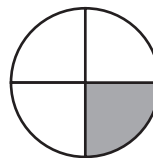## Circle the correct answer to each question.

8. What part of the hexagon is shaded?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

9. What part of the circle is shaded?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

10. What part of the rectangle is shaded?

$\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

Started:	Finished:	Total Time:	Completed:	Correct: