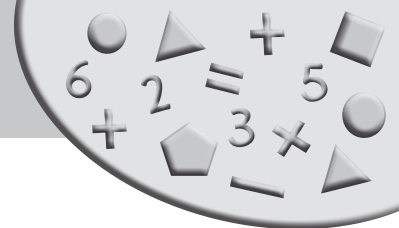


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Introduction



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.

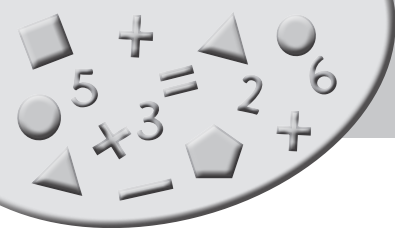
Establish a timing system that works well for your group. Here are steps to help you get started:

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 _____

Add each set of numbers to find the total.

1. $8 + 7 + 5 + 6 =$ _____

2. $3 + 3 + 3 + 3 =$ _____

3. $20 + 30 + 40 =$ _____

4. $100 + 60 + 8 =$ _____

Solve the addition problems.

5.
$$\begin{array}{r} 9 \\ 8 \\ 2 \\ + 5 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 22 \\ 33 \\ + 55 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 390 \\ + 469 \\ \hline \end{array}$$

Fill in the missing numbers to complete each problem.

8. $12 +$ _____ $= 18$

9. $60 +$ _____ $= 100$

Solve the word problem and show your work.

10. Thirty-five chickens and seventeen ducks were in the barnyard.
How many animals were in the barnyard altogether?

_____ animals

Started:

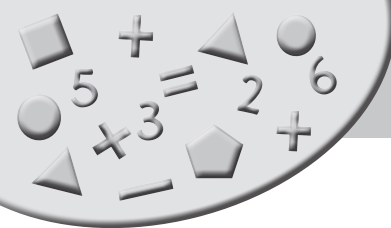
Finished:

Total Time:

Completed:

Correct:





Name _____ Date _____

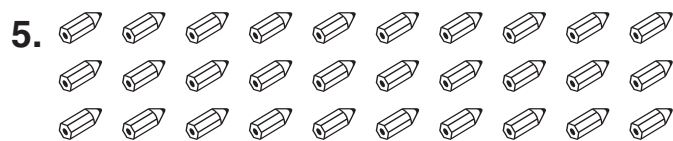
Answer the following questions.

1. How many 3s are in 21? _____
2. How many 10s are in 100? _____
3. How many 9s are in 81? _____

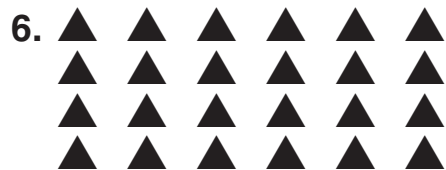
Use the models to solve the division questions.



$20 \div 5 = \underline{\hspace{2cm}}$



$30 \div 3 = \underline{\hspace{2cm}}$



$24 \div 4 = \underline{\hspace{2cm}}$

Solve the division problems.

7. $8 \div 4 = \underline{\hspace{2cm}}$

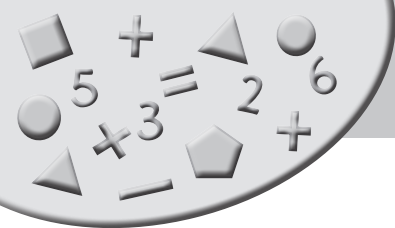
8. $28 \div 4 = \underline{\hspace{2cm}}$

9. $35 \div 5 = \underline{\hspace{2cm}}$

10. $42 \div 7 = \underline{\hspace{2cm}}$



Started:	Finished:	Total Time:	Completed:	Correct:
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Name _____ Date _____

Solve the word problems. Show your work.

1.	Danielle has 24 doll dresses and three dolls. How many dresses does each doll get if the dresses are divided evenly?
_____ dresses	
2.	Danny has 54 baseball cards. Each page in his scrapbook has 9 spaces. How many pages does he need to store all his cards?
_____ pages	

Fill in the blanks to complete the division problems.

3. $48 \div \underline{\hspace{2cm}} = 12$

4. $18 \div 6 = \underline{\hspace{2cm}}$

5. $\underline{\hspace{2cm}} \div 7 = 5$

6. $28 \div \underline{\hspace{2cm}} = 4$

Look at the group of stars and answer the questions.



7. How many stars are there in the group? _____ \times _____ = _____

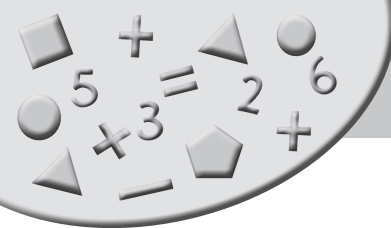
8. How many groups of 10 can you make? _____

9. How many groups of 9 can you make? _____ remainder _____

10. How many groups of 7 can you make? _____ remainder _____

Started:	Finished:	Total Time:	Completed:	Correct:
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Name _____ Date _____

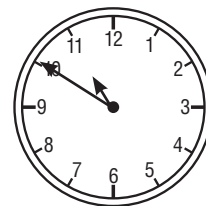
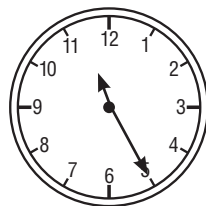
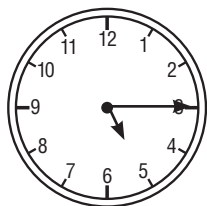
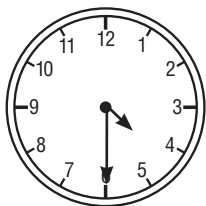
Read each word problem. Answer each question about time.

1.	Joe started his homework at 2 o'clock. He finished at 4:30. How long did Joe work? _____
2.	Shelby started her project at 1:45 and finished 8 hours later. At what time did she finish her project? <div style="border: 1px solid black; border-radius: 15px; width: 100px; height: 40px; margin-left: auto; margin-right: auto; display: flex; align-items: center; justify-content: center;"> : </div>
3.	Sara finished her painting at 7 pm. She painted for three hours. What time did she start her painting? <div style="border: 1px solid black; border-radius: 15px; width: 100px; height: 40px; margin-left: auto; margin-right: auto; display: flex; align-items: center; justify-content: center;"> : </div>

What time will it be if you add ten minutes to each time?

4. 4:20 + 10 minutes 5. 1:10 + 10 minutes 6. 3:20 + 10 minutes
- _____ : _____ _____ : _____ _____ : _____

Write the time shown on each of the analog clocks on the lines below.



7. _____ 8. _____ 9. _____ 10. _____

Started:	Finished:	Total Time:	Completed:	Correct:
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