Arizona AASA Grade 3 Math Quizzes

Quick Topic Assessments with Answer Key

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PREVIEW

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QUIZ TIME!

Grade 3 Math Quizzes!

Welcome, Math Star!

*This book is full of **quick math quizzes** to help you practice what you've learned!*

*Each quiz takes about **15 minutes** and covers one math topic. There are regular questions and a special **Bonus Challenge** at the end.*

- ✔ *Write your **name** and **date** at the top*
- ✔ *Read each question **carefully***
- ✔ *Show your **work** when you can*
- ✔ *Try the **Bonus Challenge** — it's extra credit!*
- ✔ *Check your answers in the **Answer Key***

Show What You Know!

Every quiz is a chance to shine. You've got this!

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Here's what we'll explore together!

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Let's learn and have fun!

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CHAPTER

1

Number Sense & Place Value

What's Inside

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CHAPTER 1

Quiz 1

Place Value: Ones, Tens, Hundreds

Name: _____ **Date:** _____ **Score:** _____ / 8

Instructions: Read each question carefully. Show your work when needed. You have about **15 minutes**.

1 What number do these base-ten blocks show?

The number is: _____

2 Look at this place value chart. What is the **value** of the digit in the tens place?

H	T	O
5	8	2

- ○ 2
- ○ 8
- ○ 80
- ○ 500

3 What number is shown below?

600 + 30 + 9

Standard form: _____

4 Write 475 in expanded form.

_____ + _____ + _____

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5 *Which number is **greater**? Write >, <, or = in the circle.*

482 ◯ 428

6 *True or False: These blocks show the number 250.*

◯ ***True*** ◯ ***False***

7 *Match each number to its expanded form. Draw a line.*

• 273	• $500 + 40 + 6$
• 546	• $200 + 70 + 3$
• 189	• $100 + 80 + 9$

★ Bonus Challenge ★

This is extra credit! It's okay if this one is tricky — give it your best try!

8 *I am a 3-digit number. Use these clues to figure out what I am:*

- ***Clue 1:*** *My hundreds digit is 3 more than my ones digit.*
- ***Clue 2:*** *My tens digit is 0.*
- ***Clue 3:*** *My ones digit is 2.*

I am the number: _____

★ *How did you do?* ★

☺ *I got* _____ *out of* _____ *right!*

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CHAPTER

2

Multiplication & Division

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CHAPTER 3

Quiz 2

Understanding Multiplication

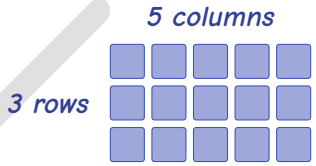
Name: _____ **Date:** _____ **Score:** ____ / 8

Instructions: Read each question carefully. Show your work when needed. You have about **15 minutes**.

1 Write a multiplication sentence for this picture:

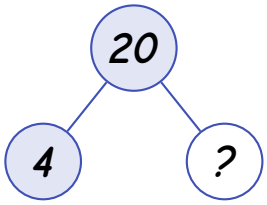
_____ × _____ = _____

2 Which multiplication fact does this array show? **Circle** your answer.



- ◯ 3×4
- ◯ 3×5
- ◯ 5×5
- ◯ 5×4

3 Look at this number bond. What is the missing number?



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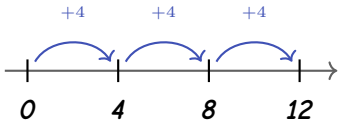
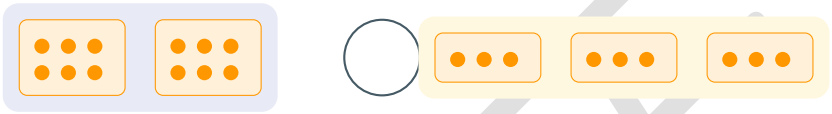
Missing number: _____

4 *Use the number line to find* 3×4.



3×4: _____

5 *Look at the two groups of dots. Which side has* ***more****?*



6 *There are* 5 *fishbowls. Each fishbowl has* 3 *fish. How many fish are there in all?*

_____ $\times$ _____ $=$ _____

7 *True or False: This array shows* $4 \times 2 = 8$.

◯ ***True*** ◯ ***False***

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⭐ Bonus Challenge ⭐

This is extra credit! It's okay if this one is tricky — give it your best try!

8 *Maria arranges her stickers in equal rows. She uses 24 stickers. Draw* ***two different*** *arrays that show 24 stickers, and write the multiplication sentence for each.*

Array 1

Array 2

_____ × _____ = 24 _____ × _____ = 24

★ *How did you do?* ★

☺ *I got* _____ *out of* _____ *right!*

PREVIEW

Answer Key & Explanations

Check Your Answers!

First try each quiz on your own, then look here to check.
Read the explanations to learn from any mistakes

Chapter 1

Quiz 1: Place Value: Ones, Tens, Hundreds

1. 347
2. 80
3. 639
4. $400 + 70 + 5$
5. $>$ (482 > 428)
6. *False*
7. *See Explanation*
8. 502

Explanations

1. *Count:* 3 *hundreds* (300) + 4 *tens* (40) + 7 *ones* (7) = 347.

2. *In* 582, *the digit* 8 *is in the tens place. Its value is* $8 \times 10 = 80$. *Don't confuse the digit* (8) *with its value* (80).

3. *Add the values:* $600 + 30 + 9 = 639$. *The hundreds digit is* 6, *the tens digit is* 3, *and the ones digit is* 9.

4. *Break apart each digit:* 4 *hundreds* = 400, 7 *tens* = 70, 5 *ones* = 5. *So* $475 = 400 + 70 + 5$.

5 *Compare hundreds first: both have 4 hundreds. Compare tens: 8 tens > 2 tens. So 482 > 428.*

6 *The blocks show 2 hundreds, 5 tens, and 3 ones = 253, not 250. Count the ones carefully — there are 3, not 0.*

7 *Break each number into hundreds, tens, and ones. 273: 2 hundreds + 7 tens + 3 ones. 546: 5 hundreds + 4 tens + 6 ones. 189: 1 hundred + 8 tens + 9 ones.*

8 *Ones digit = 2 (Clue 3). Tens digit = 0 (Clue 2). Hundreds digit = 2 + 3 = 5 (Clue 1). The number is 502.*

Chapter 2

Quiz 2: Understanding Multiplication

1 $4 \times 3 = 12$ 2 $3 \times 5 = 15$ 3 5 4 12 5 > *(left side has more)*

6 $5 \times 3 = 15$ *fish* 7 *True* 8 *See Explanation*

Explanations

1 *There are 4 groups with 3 stars in each group. Groups × items in each group = 4 × 3 = 12.*

2 *The array has 3 rows and 5 columns. Rows × columns = 3 × 5 = 15.*

3 $4 \times ? = 20$. *Since* $4 \times 5 = 20$, *the missing number is* 5.

4 *Each jump is $+4$. Count 3 jumps: $0 \to 4 \to 8 \to 12$. So $3 \times 4 = 12$.*

5 *Left: 2 groups of $6 = 12$ dots. Right: 3 groups of $3 = 9$ dots. $12 > 9$, so the left side has more.*

6 *5 fishbowls each with 3 fish: $5 \times 3 = 15$ fish in all.*

7 *The array has 2 rows and 4 columns. We can read it as $2 \times 4 = 8$ or $4 \times 2 = 8$. Both equal 8 because multiplication can be done in any order (commutative property).*

8 *Any two different arrays where rows $\times$ columns $= 24$. Examples: 3 rows of 8, or 4 rows of 6. Each must total 24 stickers.*

Great job checking your work!

Keep practicing and you'll be a math star!

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THANK YOU

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