



**THIRD SPACE
LEARNING**

Back to School Math Quiz

A formative assessment of
Grade 1 content to diagnose
learning gaps and inform
planning for the school year

Grade 2

Questions

Name:

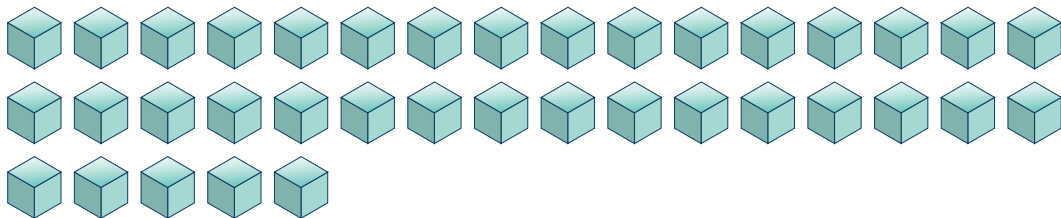
Class:

Date:

Score:

Answer the questions. You can use the space provided below the question for working out if you need it.

1 Count the blocks.



2 Circle the largest number:

22

28

19

3 Order these numbers from smallest to largest:

42

35

51

17

- 4 Circle the digit in the tens column:

72

- 5 Write the symbol (< or >) that would make the statement true:

24

94

- 6 Fill in the missing numbers.

76

77

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

- 7 $9 + 7 =$

- 8 $18 - 6 =$

- 9 $29 + 7 =$

- 10 $45 + 10 =$

- 11 $70 - 10 =$

12 $36 - 7 =$

13 $17 +$ $= 20$

14 Tell if each equation is true or false.

$3 + 2 = 4 + 1$

$9 = 8 - 1$

$2 + 4 = 8 - 2$

15 Fill in the blank to make each equation true.

$12 +$ $= 18$

$7 =$ $- 3$

$4 + 9 =$

16 Julia had some cookies. She gave 13 to her friend. Now she has 6 cookies. How many cookies did Julia start with?

- 17 Henry had 10 toy cars. He found some more toy cars in his room. Now he has 18 toy cars. How many toy car did Henry find in his room?

- 18 On Monday morning, the mailman delivers 11 parcels. On Monday afternoon, the mailman delivers 34 parcels. How many parcels did he deliver altogether on Monday?

- 19 Evie has 28 sweets. She gives 13 to her friend Annie. How many sweets does she have left?

- 20 Marley, Tia and Dhiren all win an art competition. They each won some pencils as their prize. Marley won 8 pencils, Tia won 4 pencils, and Dhiren won 3 pencils. How many pencils did they win altogether?

Answers

| Question number | Question | Answer and Guidance | Standard |
|-----------------|--|---|--------------------|
| 1 | Count the blocks. | 37 | 1.NBT.1 |
| 2 | Circle the largest number: 22, 28, 19 | 28 | 1.NBT.2 |
| 3 | Order these numbers from smallest to largest: 42, 35, 51, 17 | 17, 35, 42, 51 Check students are familiar with vocabulary such as 'smallest to largest' and are able to use place value to order these numbers correctly by comparing the tens digit. | 1.NBT.1 1.NBT.2 |
| 4 | Circle the digit in the tens column: 72 | 7 Students should be familiar with the language of place value by now and should be able to identify tens and ones in a 2-digit number. | 1.NBT.2 |
| 5 | Write the symbol (< or >) that would make the statement true: 24 ? 94 | < Check students understand what each symbol (<, > and =) means and are able to use place value to order numbers correctly. | 1.NBT.3 |
| 6 | Fill in the missing numbers. 76, 77, ?, ?, ?, ?, ? | ...78, 79, 80, 81, 82, 83 | 1.NBT.1 |
| 7 | $9 + 7 =$ | 16 Check that students have learned addition number facts within 20. | 1.OA.6 |

Back to School Math Quiz | Grade 2 | Answers

| Question number | Question | Answer and Guidance | Standard |
|-----------------|---------------|---|----------|
| 8 | $18 - 6 =$ | 12 Check that students have learned subtraction number facts within 20. | 1.OA.6 |
| 9 | $29 + 7 =$ | 36 Students are expected to be able to solve this mentally. Check students can bridge through 10. A discussion on how students solved this may be useful here. | 1.NBT.4 |
| 10 | $45 + 10 =$ | 55 Students are expected to be able to solve this mentally. Check that students were able to solve this by increasing the tens digit by one. | 1.NBT.5 |
| 11 | $70 - 10 =$ | 60 Students are expected to be able to solve this mentally. Check that students were able to solve this by decreasing the tens digit by one. | 1.NBT.6 |
| 12 | $36 - 7 =$ | 29 Some students may have difficulty going back through ten. | 1.NBT.4 |
| 13 | $17 + ? = 20$ | 3 Students should be able to determine the unknown number by relating addition and subtraction. | 1.OA.8 |

Back to School Math Quiz | Grade 2 | Answers

| Question number | Question | Answer and Guidance | Standard |
|-----------------|---|--|----------|
| 14 | Tell if each equation is true or false. $3 + 2 = 4 + 1$ $9 = 8 - 1$ $2 + 4 = 8 - 2$ | True False True Students should understand that each side of an equal side should have the same value. | 1.OA.7 |
| 15 | Fill in the blank to make each equation true. $12 + ? = 18$ $7 = ? - 3$ $4 + 9 = ?$ | $12 + 6 = 18$ $7 = 10 - 3$ $4 + 9 = 13$ | 1.OA.8 |
| 16 | Julia had some cookies. She gave 13 to her friend. Now she has 6 cookies. How many cookies did Julia start with? | 19 Students can solve by adding $13 + 6$ or finding the missing minuend, $? - 13 = 6$ | 1.OA.1 |
| 17 | Henry had 10 toy cars. He found some more toy cars in his room. Now he has 18 toy cars. How many toy car did Henry find in his room? | 8 Students can solve this by subtracting $18 - 10$ or finding the missing addend, $10 + ? = 18$. | 1.OA.1 |
| 18 | On Monday morning, the mailman delivers 11 parcels. On Monday afternoon, the mailman delivers 34 parcels. How many parcels did he deliver altogether on Monday? | 45 Check students were able to identify that addition was needed for this calculation. Students should begin to understand how language like altogether means addition is needed. Check students have used an appropriate method to solve this calculation. | 1.OA.1 |

Back to School Math Quiz | Grade 2 | Answers




| Question number | Question | Answer and Guidance | Standard |
|-----------------|--|---|----------|
| 19 | Evie has 28 sweets. She gives 13 to her friend Annie. How many sweets does she have left? | 15 Check students were able to identify that subtraction was needed for this calculation. Check students have used an appropriate method to solve this calculation. | 1.OA.1 |
| 20 | Marley, Tia and Dhiren all win an art competition. They each won some pencils as their prize. Marley won 8 pencils, Tia won 4 pencils, and Dhiren won 3 pencils. How many pencils did they win altogether? | 15 Students should be able to add 3 whole numbers together. | 1.OA.2 |

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- ✓ Differentiated instruction for each student
- ✓ Aligned to your state's standard
- ✓ Scaffolded learning to close gaps

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