Grade 2 Math Worksheet: Addition Within 20

Name: _____

Date:_____

Part A: Basic Addition Facts

Solve these addition problems.

1. 3 + 4 = _____
2. 6 + 2 = _____
3. 5 + 3 = _____
4. 7 + 1 = _____
5. 4 + 5 = _____
6. 2 + 8 = _____
7. 6 + 3 = _____
8. 4 + 4 = _____

Part B: Adding Near 10

Solve these addition problems.

1. 9 + 2 = _____
2. 9 + 5 = _____
3. 9 + 8 = _____
4. 8 + 3 = _____
5. 8 + 9 = _____
6. 9 + 7 = _____
7. 8 + 8 = _____
8. 9 + 9 = _____

Part C: Making 10 Strategy

Circle the number that makes 10 with the first number, then find the sum.

1. 8 + 5 = _____ (Circle the part of 5 that makes 10 with 8)
2. 7 + 6 = _____ (Circle the part of 6 that makes 10 with 7)
3. 9 + 4 = _____ (Circle the part of 4 that makes 10 with 9)
4. 6 + 8 = _____ (Circle the part of 8 that makes 10 with 6)

Part D: Doubles and Near Doubles

Solve these problems.

1. 5 + 5 = _____
2. 6 + 6 = _____
3. 7 + 7 = _____
4. 8 + 8 = _____
5. 5 + 6 = _____ (Hint: 5 + 5 + 1)
6. 7 + 8 = _____ (Hint: 7 + 7 + 1)
7. 6 + 7 = _____ (Hint: 6 + 6 + 1)
8. 4 + 5 = _____ (Hint: 4 + 4 + 1)

Part E: Addition Word Problems

Solve these word problems. Show your work!

1. Sam has 7 red crayons and 8 blue crayons. How many crayons does Sam have in all?

   Answer: _____

2. There are 9 girls and 6 boys on the playground. How many children are on the playground?

Answer: _____

3. Emma read 8 books last week and 7 books this week. How many books did Emma read in all?

   Answer: _____

4. Jake has 9 toy cars. His friend gives him 9 more toy cars. How many toy cars does Jake have now?

   Answer: _____

Part F: Three Addends

Find the sum of three numbers.

1. 2 + 3 + 4 = _____
2. 5 + 2 + 3 = _____
3. 4 + 7 + 6 = _____
4. 3 + 8 + 2 = _____
5. 9 + 1 + 7 = _____
6. 6 + 5 + 4 = _____

Part G: Missing Addends

Fill in the missing number.

1. 7 + _____ = 12
2. 5 + _____ = 14
3. _____ + 6 = 13
4. _____ + 9 = 17
5. 4 + _____ = 10
6. 8 + _____ = 15

Part H: Picture Addition

Count and add the pictures.

1. 🍎🍎🍎 + 🍎🍎🍎🍎 = _____ apples
2. 🐱🐱🐱🐱🐱 + 🐱🐱🐱 = _____ cats
3. 🌟🌟🌟🌟 + 🌟🌟🌟🌟🌟 = _____ stars
4. 🐶🐶🐶🐶🐶🐶 + 🐶🐶 = _____ dogs

Part I: Number Line Addition

Use the number line to solve.

0---1---2---3---4---5---6---7---8---9---10---11---12---13---14---15---16---17---18---19---20

1. Start at 6, jump forward 7 spaces. What number do you land on? _____

2. Start at 3, jump forward 9 spaces. What number do you land on? _____

3. Start at 8, jump forward 5 spaces. What number do you land on? _____

4. Start at 4, jump forward 8 spaces. What number do you land on? _____

Bonus Challenge

Maria has 6 red flowers, 7 yellow flowers, and 5 pink flowers in her garden. How many flowers does Maria have altogether?

Answer: _____

ANSWER KEY

Part A: Basic Addition Facts

1. 3 + 4 = 7
2. 6 + 2 = 8
3. 5 + 3 = 8
4. 7 + 1 = 8
5. 4 + 5 = 9
6. 2 + 8 = 10
7. 6 + 3 = 9
8. 4 + 4 = 8

Part B: Adding Near 10

1. 9 + 2 = 11
2. 9 + 5 = 14
3. 9 + 8 = 17
4. 8 + 3 = 11
5. 8 + 9 = 17
6. 9 + 7 = 16
7. 8 + 8 = 16
8. 9 + 9 = 18

Part C: Making 10 Strategy

1. 8 + 5 = 13 (Circle 2 in 5, 8+2=10, 10+3=13)
2. 7 + 6 = 13 (Circle 3 in 6, 7+3=10, 10+3=13)
3. 9 + 4 = 13 (Circle 1 in 4, 9+1=10, 10+3=13)
4. 6 + 8 = 14 (Circle 4 in 8, 6+4=10, 10+4=14)

Part D: Doubles and Near Doubles

1. 5 + 5 = 10

2. 6 + 6 = 12
3. 7 + 7 = 14
4. 8 + 8 = 16
5. 5 + 6 = 11
6. 7 + 8 = 15
7. 6 + 7 = 13
8. 4 + 5 = 9

Part E: Addition Word Problems

1. 7 + 8 = 15 crayons
2. 9 + 6 = 15 children
3. 8 + 7 = 15 books
4. 9 + 9 = 18 toy cars

Part F: Three Addends

1. 2 + 3 + 4 = 9
2. 5 + 2 + 3 = 10
3. 4 + 7 + 6 = 17
4. 3 + 8 + 2 = 13
5. 9 + 1 + 7 = 17
6. 6 + 5 + 4 = 15

Part G: Missing Addends

1. 7 + 5 = 12
2. 5 + 9 = 14
3. 7 + 6 = 13
4. 8 + 9 = 17
5. 4 + 6 = 10
6. 8 + 7 = 15

Part H: Picture Addition

1. 🍎🍎🍎 + 🍎🍎🍎🍎 = 7 apples
2. 🐱🐱🐱🐱🐱 + 🐱🐱🐱 = 8 cats
3. 🌟🌟🌟🌟 + 🌟🌟🌟🌟🌟 = 9 stars
4. 🐶🐶🐶🐶🐶🐶 + 🐶🐶 = 8 dogs

Part I: Number Line Addition

1. 6 + 7 = 13
2. 3 + 9 = 12
3. 8 + 5 = 13
4. 4 + 8 = 12

Bonus Challenge

6 + 7 + 5 = 18 flowers