



Year 2 Mathematics

Addition Facts to 20 - Worksheet 11

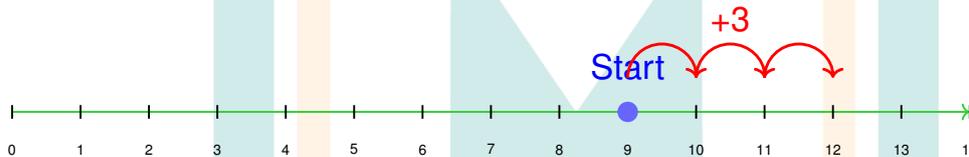
Counting On & Doubles

Name: _____ Date: _____

Section 1: Counting On Strategy (Fluency)

Use the counting on strategy. Start with the bigger number and count up!

Question 1: Start at 9 and count on 3:



$$9 + 3 = \underline{\hspace{2cm}}$$

Question 2: Start at 12 and count on 4:

$$12 + 4 = \underline{\hspace{2cm}}$$

Question 3: Start at 8 and count on 5:

$$8 + 5 = \underline{\hspace{2cm}}$$



Question 4: Start at 14 and count on 3:

$$14 + 3 = \underline{\hspace{2cm}}$$

Question 5: Start at 7 and count on 6:

$$7 + 6 = \underline{\hspace{2cm}}$$

Question 6: Start at 11 and count on 5:

$$11 + 5 = \underline{\hspace{2cm}}$$



Addition Ace!

Why did the plus sign become a superhero? Because it wanted to ADD-venture and save the day!



Section 2: Doubles Strategy (Reasoning)

Use your knowledge of doubles to solve these problems!

Question 7: Double 5 is:

$$5 + 5 = \underline{\hspace{2cm}}$$

Question 8: Double 7 is:

$$7 + 7 = \underline{\hspace{2cm}}$$

Question 9: If $6 + 6 = 12$, what is $6 + 7$?

Hint: $6 + 7$ is one more than double 6!

$$6 + 7 = \underline{\hspace{2cm}}$$

Question 10: If $8 + 8 = 16$, what is $8 + 9$?

$$8 + 9 = \underline{\hspace{2cm}}$$

Question 11: Double 4 is:

$$4 + 4 = \underline{\hspace{2cm}}$$



Question 12: If $5 + 5 = 10$, what is $5 + 6$?

$$5 + 6 = \underline{\hspace{2cm}}$$

Question 13: Double 9 is:

$$9 + 9 = \underline{\hspace{2cm}}$$



Hopping Addition Hero!

Why do kangaroos love doubles? Because they hop in PAIRS!



Section 3: Missing Numbers Challenge

Find the missing number in each addition sentence.

Question 14: Fill in the missing number:

$$5 + \underline{\hspace{2cm}} = 11$$

Question 15: Fill in the missing number:

$$\underline{\hspace{2cm}} + 8 = 16$$

Question 16: Fill in the missing number:

$$9 + \underline{\hspace{2cm}} = 15$$

Question 17: Fill in the missing number:

$$\underline{\hspace{2cm}} + 7 = 14$$

Question 18: Fill in the missing number:

$$6 + \underline{\hspace{2cm}} = 13$$

Question 19: Fill in the missing number:



$$\underline{\hspace{2cm}} + 9 = 18$$

Question 20: Fill in the missing number:

$$8 + \underline{\hspace{2cm}} = 17$$



Calculator Robot!

Why was the calculator so good at addition? Because it could COUNT on itself!



Answer Key

Worksheet 11: Counting On & Doubles

Section 1: Counting On Strategy

1.

$$9 + 3 = 12$$

2.

$$12 + 4 = 16$$

3.

$$8 + 5 = 13$$

4.

$$14 + 3 = 17$$

5.

$$7 + 6 = 13$$

6.

$$11 + 5 = 16$$

Section 2: Doubles Strategy

7.

$$5 + 5 = 10$$

8.

$$7 + 7 = 14$$

9.

$$6 + 7 = 13$$

(Double 6 is 12, plus 1 more equals 13)



10.

$$8 + 9 = \mathbf{17}$$

(Double 8 is 16, plus 1 more equals 17)

11.

$$4 + 4 = \mathbf{8}$$

12.

$$5 + 6 = \mathbf{11}$$

(Double 5 is 10, plus 1 more equals 11)

13.

$$9 + 9 = \mathbf{18}$$

Section 3: Missing Numbers Challenge

14.

$$5 + \mathbf{6} = 11$$

15.

$$\mathbf{8} + 8 = 16$$

16.

$$9 + \mathbf{6} = 15$$

17.

$$\mathbf{7} + 7 = 14$$

18.

$$6 + \mathbf{7} = 13$$

19.

$$\mathbf{9} + 9 = 18$$

20.

$$8 + \mathbf{9} = 17$$



Year 2 Mathematics

Addition Facts to 20 - Worksheet 12

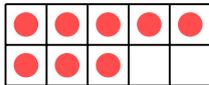
Making 10 with Ten Frames

Name: _____ Date: _____

Section 1: Friends of 10 (Fluency)

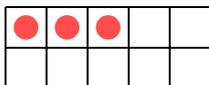
Look at the ten frames. How many more do we need to make 10?

Question 1: Look at the ten frame:



$$8 + \underline{\hspace{2cm}} = 10$$

Question 2: Look at the ten frame:



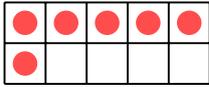
$$3 + \underline{\hspace{2cm}} = 10$$

Question 3: How many more to make 10?

$$7 + \underline{\hspace{2cm}} = 10$$



Question 4: Look at the ten frame:

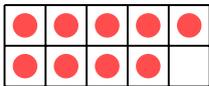


$$6 + \underline{\hspace{2cm}} = 10$$

Question 5: How many more to make 10?

$$4 + \underline{\hspace{2cm}} = 10$$

Question 6: Look at the ten frame:



$$9 + \underline{\hspace{2cm}} = 10$$

10

Ten Frame Champion!

Why is 10 such a perfect number? Because it's a PERFECT match for its friends!



Section 2: Bridging Through 10 (Reasoning)

Use the "Make 10" strategy to solve these addition problems.

Question 7: To solve $9 + 5$, first make 10:

$$9 + 1 = 10$$

So:

$$10 + \underline{\quad\quad} = \underline{\quad\quad}$$

$$9 + 5 = \underline{\quad\quad}$$

Question 8: To solve $8 + 4$, first make 10:

$$8 + 2 = 10$$

So:

$$10 + \underline{\quad\quad} = \underline{\quad\quad}$$

$$8 + 4 = \underline{\quad\quad}$$

Question 9: To solve $7 + 6$, first make 10:

$$7 + 3 = 10$$

$$10 + \underline{\quad\quad} = \underline{\quad\quad}$$

So:

$$7 + 6 = \underline{\quad\quad}$$



Question 10: To solve $9 + 7$, first make 10:

$$9 + \underline{\quad\quad\quad} = 10$$

$$10 + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

So:

$$9 + 7 = \underline{\quad\quad\quad}$$

Question 11: To solve $8 + 6$, first make 10:

$$8 + \underline{\quad\quad\quad} = 10$$

$$10 + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$

So:

$$8 + 6 = \underline{\quad\quad\quad}$$



Bridging Superstar!

Why did the number cross the bridge? To get to TEN on the other side!



Section 3: Word Problems Challenge

Solve these real-life addition problems.

Question 12: I have 9 blue cars and 6 red cars. How many cars do I have altogether?

Answer: _____ cars

Question 13: There are 7 birds in a tree. 5 more birds join them. How many birds are there now?

Answer: _____ birds

Question 14: Emma has 8 stickers. Her friend gives her 7 more stickers. How many stickers does Emma have now?

Answer: _____ stickers

Question 15: There are 6 apples in one basket and 9 apples in another basket. How many apples are there in total?

Answer: _____ apples

Question 16: Jack read 8 books in January and 5 books in February. How many books did Jack read altogether?

Answer: _____ books



Question 17: A farm has 9 chickens and 8 ducks. How many birds are on the farm?

Answer: _____ birds

Question 18: Sarah collected 7 shells on Monday and 7 shells on Tuesday. How many shells did she collect in total?

Answer: _____ shells

Question 19: There are 12 children playing soccer and 6 children playing basketball. How many children are playing altogether?

Answer: _____ children

Question 20: A shop sold 9 ice creams in the morning and 9 ice creams in the afternoon. How many ice creams did they sell?

Answer: _____ ice creams



Sum Superstar!

Why did the addition problem win a trophy? Because it was the SUM of all talents!



Answer Key

Worksheet 12: Making 10 with Ten Frames

Section 1: Friends of 10

1.

$$8 + 2 = 10$$

2.

$$3 + 7 = 10$$

3.

$$7 + 3 = 10$$

4.

$$6 + 4 = 10$$

5.

$$4 + 6 = 10$$

6.

$$9 + 1 = 10$$

Section 2: Bridging Through 10

7. To solve

$$9 + 5$$

: Split 5 into 1 and 4

•

$$9 + 1 = 10$$



•

$$10 + 4 = 14$$

• So:

$$9 + 5 = 14$$

8. To solve

$$8 + 4$$

: Split 4 into 2 and 2

•

$$8 + 2 = 10$$

•

$$10 + 2 = 12$$

• So:

$$8 + 4 = 12$$

9. To solve

$$7 + 6$$

: Split 6 into 3 and 3

•

$$7 + 3 = 10$$

•

$$10 + 3 = 13$$

• So:

$$7 + 6 = 13$$

10. To solve

$$9 + 7$$

: Split 7 into 1 and 6



-

$$9 + 1 = 10$$

-

$$10 + 6 = 16$$

- So:

$$9 + 7 = 16$$

11. To solve

$$8 + 6$$

: Split 6 into 2 and 4

-

$$8 + 2 = 10$$

-

$$10 + 4 = 14$$

- So:

$$8 + 6 = 14$$

Section 3: Word Problems Challenge

12. **15 cars** (

$$9 + 6 = 15$$

)

13. **12 birds** (

$$7 + 5 = 12$$

)

14. **15 stickers** (

$$8 + 7 = 15$$

)



15. **15 apples** (

$$6 + 9 = 15$$

)

16. **13 books** (

$$8 + 5 = 13$$

)

17. **17 birds** (

$$9 + 8 = 17$$

)

18. **14 shells** (

$$7 + 7 = 14$$

)

19. **18 children** (

$$12 + 6 = 18$$

)

20. **18 ice creams** (

$$9 + 9 = 18$$

)

Outstanding Work, Addition Experts!

You've mastered addition facts to 20!