



Number Bonds

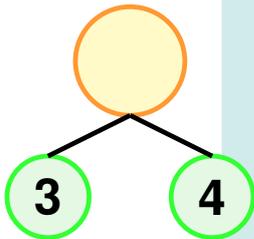
Year 1 Mathematics - Worksheet 17

Name: _____ Date: _____

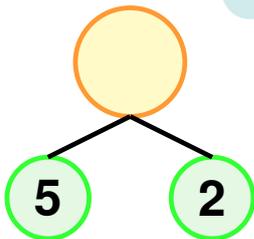
Section 1: Find the Whole

Add the two parts together to find the whole. Write your answer in the top circle.

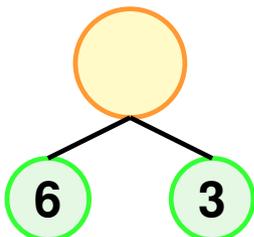
1. The parts are 3 and 4. What is the whole?



2. The parts are 5 and 2. What is the whole?

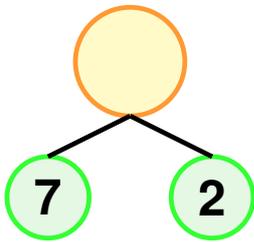


3. The parts are 6 and 3. What is the whole?

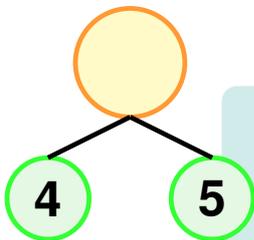




4. The parts are 7 and 2. What is the whole?

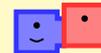


5. The parts are 4 and 5. What is the whole?



Bond Builder!

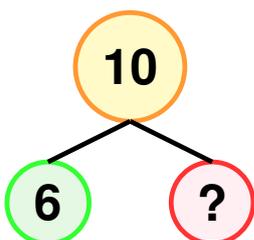
Joke Time: Why did the cookie go to the hospital?
Because he felt crummy!



Section 2: Find the Missing Part

The whole and one part are given. Find the missing part!

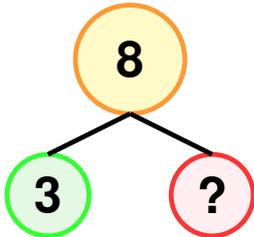
6. The whole is 10. One part is 6. What is the missing part?





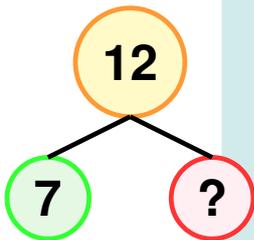
Missing part = _____

7. The whole is 8. One part is 3. What is the missing part?



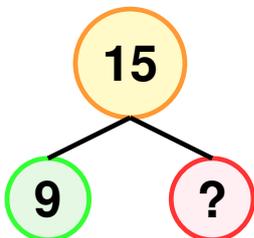
Missing part = _____

8. The whole is 12. One part is 7. What is the missing part?



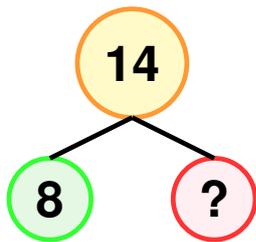
Missing part = _____

9. The whole is 15. One part is 9. What is the missing part?



Missing part = _____

10. The whole is 14. One part is 8. What is the missing part?



Missing part = _____

Part-Part-Whole Pro!

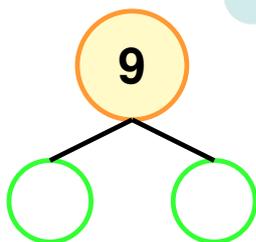
Joke Time: What do you call a sleeping bull?
A bulldozer!



Section 3: Challenge - Break it Down

Break each number into two parts. Fill in the bond diagram.

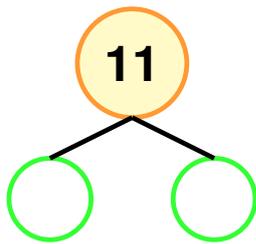
11. Break the number 9 into two parts.



One way:

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

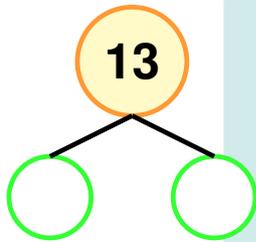
12. Break the number 11 into two parts.



One way:

$$11 = \underline{\quad\quad} + \underline{\quad\quad}$$

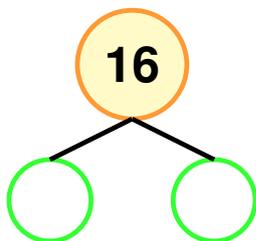
13. Break the number 13 into two parts.



One way:

$$13 = \underline{\quad\quad} + \underline{\quad\quad}$$

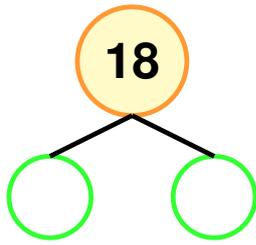
14. Break the number 16 into two parts.



One way:

$$16 = \underline{\quad\quad} + \underline{\quad\quad}$$

15. Break the number 18 into two parts.



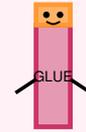
One way:

$$18 = \underline{\quad\quad} + \underline{\quad\quad}$$

Bond Builder!

Joke Time: What do you call a bear with no ears?

B!





Answer Key

Year 1 Mathematics - Worksheet 17

Section 1: Find the Whole

1. 7 ($3 + 4 = 7$)
2. 7 ($5 + 2 = 7$)
3. 9 ($6 + 3 = 9$)
4. 9 ($7 + 2 = 9$)
5. 9 ($4 + 5 = 9$)

Section 2: Find the Missing Part

6. 4 ($10 - 6 = 4$)
7. 5 ($8 - 3 = 5$)
8. 5 ($12 - 7 = 5$)
9. 6 ($15 - 9 = 6$)
10. 6 ($14 - 8 = 6$)

Section 3: Challenge - Break it Down

Note: Multiple answers are possible. Sample answers provided.

11. $9 = 5 + 4$ (or $9 = 6 + 3$, or $9 = 7 + 2$, etc.)
12. $11 = 6 + 5$ (or $11 = 7 + 4$, or $11 = 8 + 3$, etc.)
13. $13 = 7 + 6$ (or $13 = 8 + 5$, or $13 = 9 + 4$, etc.)
14. $16 = 8 + 8$ (or $16 = 9 + 7$, or $16 = 10 + 6$, etc.)
15. $18 = 9 + 9$ (or $18 = 10 + 8$, or $18 = 11 + 7$, etc.)



Number Bonds

Year 1 Mathematics - Worksheet 18

Name: _____ Date: _____

Section 1: Number Bonds to 20

Work out the missing numbers in these number bonds.

1. The whole is 15. One part is 10. What is the other part?

Answer: _____

2. The parts are 12 and 4. What is the whole?

Answer: _____

3. The whole is 17. One part is 9. What is the other part?

Answer: _____

4. The parts are 11 and 6. What is the whole?

Answer: _____

5. The whole is 20. One part is 13. What is the other part?

Answer: _____

6. The whole is 19. One part is 11. What is the other part?



Answer: _____

7. The parts are 8 and 8. What is the whole?

Answer: _____

Part-Part-Whole Pro!

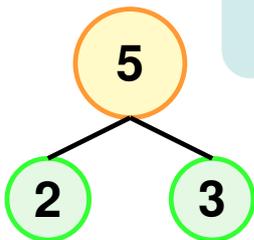
Joke Time: What kind of tree fits in your hand?
A palm tree!



Section 2: Writing Number Sentences

Look at the number bond. Write the number sentences.

8. This bond shows 5, 2, and 3:



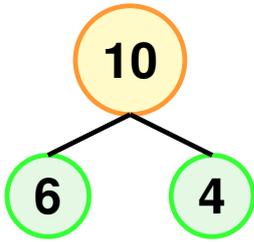
Write two addition sentences:

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

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



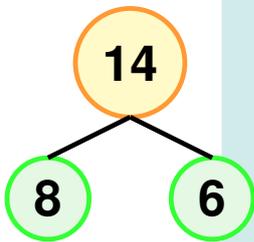
9. This bond shows 10, 6, and 4:



Write two subtraction sentences:

_____ - _____ = _____
 _____ - _____ = _____

10. This bond shows 14, 8, and 6:



Write four number sentences (2 addition + 2 subtraction):

_____ + _____ = _____
 _____ + _____ = _____
 _____ - _____ = _____
 _____ - _____ = _____



Bond Builder!

Joke Time: Why don't eggs tell jokes?
They'd crack each other up!

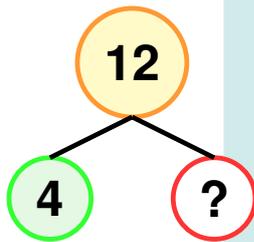


Section 3: Challenge - Word Problems

Use number bonds to solve these problems!

11. I have 12 balloons. 4 are red. The rest are blue. How many are blue?

Draw a number bond to help:



Answer: _____ balloons are blue.

12. There are 16 apples. 9 are green. The rest are red. How many are red?

Answer: _____ apples are red.

13. Sam has 11 toys. Some are cars and some are trucks. He has 6 cars. How many trucks?

Answer: _____ trucks.

14. In the park, there are 18 children. 10 are boys. How many are girls?



Answer: _____ girls.

15. Emma has 20 stickers. She gives 12 to her friend. How many does she have left?

Answer: _____ stickers left.

16. There are 15 birds. Some fly away. Now there are 8 birds. How many flew away?

Answer: _____ birds flew away.

Part-Part-Whole Pro!

Joke Time: What did one wall say to the other wall?

I'll meet you at the corner!





Answer Key

Year 1 Mathematics - Worksheet 18

Section 1: Number Bonds to 20

1. 5 ($15 - 10 = 5$)
2. 16 ($12 + 4 = 16$)
3. 8 ($17 - 9 = 8$)
4. 17 ($11 + 6 = 17$)
5. 7 ($20 - 13 = 7$)
6. 8 ($19 - 11 = 8$)
7. 16 ($8 + 8 = 16$)

Section 2: Writing Number Sentences

8.

$$2 + 3 = 5$$

and

$$3 + 2 = 5$$

9.

$$10 - 6 = 4$$

and

$$10 - 4 = 6$$

10.

$$8 + 6 = 14$$

,

$$6 + 8 = 14$$



,

$$14 - 8 = 6$$

,

$$14 - 6 = 8$$

Section 3: Challenge - Word Problems

11. 8 balloons are blue ($12 - 4 = 8$)
12. 7 apples are red ($16 - 9 = 7$)
13. 5 trucks ($11 - 6 = 5$)
14. 8 girls ($18 - 10 = 8$)
15. 8 stickers left ($20 - 12 = 8$)
16. 7 birds flew away ($15 - 7 = 8$)

