

Addition and Subtraction within 20 and 100

Add and subtract, find missing numbers and solve word problems.

Name _____ Date _____ Class _____

Learning objective: I can add and subtract numbers within 20 (Year 1) and within 100 (Year 2).

✓ I can add and subtract within 20 ✓ I can find a missing number ✓ I can use addition to check subtraction

1 Add within 20 Work out each answer. Use a number line or ten frames if you need to.

1 $6 + 3 =$

2 $8 + 5 =$

3 $9 + 7 =$

4 $12 + 4 =$

5 $7 + 7 =$

6 $11 + 6 =$

7 $13 + 5 =$

8 $9 + 9 =$

9 $14 + 6 =$

2 Subtract within 20 Take away or find the difference.

1 $9 - 4 =$

2 $12 - 5 =$

3 $15 - 7 =$

4 $18 - 6 =$

5 $11 - 9 =$

6 $20 - 8 =$

7 $16 - 9 =$

8 $17 - 10 =$

9 $14 - 0 =$

3 Missing numbers Write the missing number in the box.

1 $7 + \square = 15$

2 $\square + 6 = 13$

3 $19 - \square = 12$

4 $\square - 5 = 9$

5 $20 = 11 + \square$

6 $8 = \square - 9$

4 Fact family Use the numbers 8, 7 and 15 to write two addition and two subtraction facts.

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Year 2: the questions on this page use two-digit numbers up to 100. Partition into tens and ones, or use a number line to count on and back.

5 Two-digit numbers Show your working in the space, then write the answer.

1 $34 + 5 =$

Answer

2 $47 + 20 =$

Answer

3 $23 + 45 =$

Answer

4 $38 + 26 =$

Answer

5 $59 - 7 =$

Answer

6 $86 - 30 =$

Answer

7 $72 - 28 =$

Answer

8 $65 - 47 =$

Answer

6 Check it Use addition to check each subtraction.

- 1 Leo says, " $18 - 9 = 11$." Is he right? Explain how you know.

- 2 Priya says, " $72 - 28 = 44$." Use addition to check if she is right.

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7 Word problems Read each problem carefully. Write the number sentence and the answer.

- 1 Ali has 8 marbles. He gets 7 more. How many marbles does he have now?

- 2 There are 20 children in the hall. 6 go back to class. How many are left in the hall?

- 3 A bus has 35 people on it. 12 more get on at the next stop. How many people are on the bus now?

- 4 Maya had 50p. She spent 24p on a comic. How much money does she have left?

8 Your turn

Write your own word problem for $15 - 6$. Then solve it.

Answer Key

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Question	Answers
1 Add within 20	1 9 ; 2 13 ; 3 16 ; 4 16 ; 5 14 ; 6 17 ; 7 18 ; 8 18 ; 9 20
2 Subtract within 20	1 5 ; 2 7 ; 3 8 ; 4 12 ; 5 2 ; 6 12 ; 7 7 ; 8 7 ; 9 14
3 Missing numbers	1 8 ; 2 7 ; 3 7 ; 4 14 ; 5 9 ; 6 17
4 Fact family	$8 + 7 = 15$; $7 + 8 = 15$; $15 - 7 = 8$; $15 - 8 = 7$
5 Two-digit numbers	1 39 ; 2 67 ; 3 68 ; 4 64 ; 5 52 ; 6 56 ; 7 44 ; 8 18
6 Check it	1. No. $9 + 11 = 20$, not 18. The correct answer is $18 - 9 = 9$ (because $9 + 9 = 18$). 2. Yes. $44 + 28 = 72$, so $72 - 28 = 44$ is correct.
7 Word problems	1. $8 + 7 = 15$ marbles 2. $20 - 6 = 14$ children 3. $35 + 12 = 47$ people 4. $50 - 24 = 26$ p
8 Your turn	Look for: - A story that involves taking 6 away from 15 (or finding the difference between 15 and 6) - Answer: $15 - 6 = 9$

Teaching note: page 1 suits Year 1 (add and subtract one-digit and two-digit numbers to 20, including zero, and missing-number problems such as $7 = \square - 9$). Page 2 is Year 2: add and subtract a two-digit number and ones, a two-digit number and tens, and two two-digit numbers, and recognise that addition and subtraction are inverse operations.