

Grade 1

Mental Maths

Think quickly • Count smart • Solve with confidence

Name: _____ Date: _____

■ Number Ninja Challenge ■

Page 2 — Number Bonds

Find the missing number.

$5 + \underline{\quad} = 10$	$7 + \underline{\quad} = 10$	$\underline{\quad} + 4 = 10$	$6 + \underline{\quad} = 10$
$9 + \underline{\quad} = 10$	$\underline{\quad} + 2 = 10$	$8 + \underline{\quad} = 10$	$3 + \underline{\quad} = 10$

Now complete the number bonds:

1. $10 = 6 + \underline{\quad}$ 2. $10 = \underline{\quad} + 5$ 3. $10 = 3 + \underline{\quad}$ 4. $10 = \underline{\quad} + 8$

Page 3 — Doubles

Use what you know about doubles.

$1 + 1 = \underline{\quad} \quad 2 + 2 = \underline{\quad} \quad 3 + 3 = \underline{\quad} \quad 4 + 4 = \underline{\quad}$

$5 + 5 = \underline{\quad} \quad 6 + 6 = \underline{\quad} \quad 7 + 7 = \underline{\quad} \quad 8 + 8 = \underline{\quad}$

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

True or False:

1. Double 4 is 8. 2. Double 6 is 11.

3. Double 7 is 14. 4. Double 9 is 18.

Challenge: What number doubled gives 12?

Page 4 — Near Doubles

Use a double to help you solve.

Example: $5 + 6 \rightarrow$ double 5 is 10, so $5 + 6 = 11$.

1. $4 + 5 = \underline{\quad}$ 2. $6 + 7 = \underline{\quad}$ 3. $7 + 8 = \underline{\quad}$

4. $8 + 9 = \underline{\quad}$ 5. $3 + 4 = \underline{\quad}$ 6. $9 + 10 = \underline{\quad}$

Which double helped you?

$7 + 8 \rightarrow$ Double of 7 is $\underline{\quad}$, so the answer is $\underline{\quad}$

$5 + 6 \rightarrow$ Double of 5 is $\underline{\quad}$, so the answer is $\underline{\quad}$

Page 5 — Make 10 First

Think: make 10, then add what is left.

1. $8 + 5 = \underline{\quad}$ 2. $9 + 4 = \underline{\quad}$ 3. $7 + 6 = \underline{\quad}$

4. $6 + 8 = \underline{\quad}$ 5. $9 + 7 = \underline{\quad}$ 6. $8 + 7 = \underline{\quad}$

Show your thinking for one question:

Page 6 — Quick Subtraction

Solve mentally.

$10 - 1 = \underline{\quad} \quad 10 - 2 = \underline{\quad} \quad 10 - 3 = \underline{\quad} \quad 10 - 4 = \underline{\quad}$

$10 - 5 = \underline{\quad} \quad 10 - 6 = \underline{\quad} \quad 10 - 7 = \underline{\quad} \quad 10 - 8 = \underline{\quad}$

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

Now try:

$12 - 2 = \underline{\quad} \quad 15 - 5 = \underline{\quad} \quad 14 - 4 = \underline{\quad} \quad 18 - 8 = \underline{\quad}$

$17 - 7 = \underline{\quad} \quad 19 - 9 = \underline{\quad} \quad 16 - 6 = \underline{\quad} \quad 13 - 3 = \underline{\quad}$

Page 7 — Count On & Count Back

Use your fingers, a number line in your head, or count aloud.

Count on:

1. Start at 6 and count on 3: ____
2. Start at 8 and count on 4: ____
3. Start at 12 and count on 5: ____
4. Start at 15 and count on 3: ____

Count back:

5. Start at 10 and count back 2: ____
6. Start at 14 and count back 3: ____
7. Start at 18 and count back 5: ____
8. Start at 20 and count back 4: ____

Page 8 — Halves & Doubles

Find half of each even number.

Half of 2 = ____ Half of 4 = ____ Half of 6 = ____ Half of 8 = ____

Half of 10 = ____ Half of 12 = ____ Half of 14 = ____ Half of 16 = ____

Now work backwards:

Double ____ = 10 Double ____ = 14 Double ____ = 18

Half of ____ = 5 Half of ____ = 7 Half of ____ = 9

Page 9 — Which Is Greater?

Circle the greater number.

1. 7 or 9 2. 12 or 15 3. 18 or 16 4. 20 or 17

5. 14 or 11 6. 8 or 13 7. 19 or 9 8. 16 or 20

Complete with $>$, $<$ or $=$.

1. 8 ____ 10 2. 15 ____ 12 3. 14 ____ 14 4. 9 ____ 17

5. 20 ____ 18 6. 11 ____ 13 7. 16 ____ 16 8. 7 ____ 5

Page 10 — Super Mental Maths Challenge

Try these without writing down every step.

1. What is $5 + 5 + 5$? _____
2. What is $20 - 5$? _____
3. What is double 8? _____
4. What is half of 18? _____
5. What number comes 3 after 14? _____
6. What number comes 4 before 20? _____
7. Mia has 8 stickers and gets 5 more. How many does she have? _____
8. Ben has 15 apples and gives away 5. How many are left? _____
9. I am thinking of a number. It is greater than 10 and less than 15. What numbers could I be?

10. Challenge: Find two different ways to make 10 using addition.

Page 11 — Teacher Answer Key

Page 2: 5, 3, 6, 4, 1, 8, 2, 7. Number bonds: 4, 5, 7, 2.

Page 3: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20. True, False, True, True. Challenge: 6.

Page 4: 9, 13, 15, 17, 7, 19. Double 7 = 14 $\rightarrow$ 15; double 5 = 10 $\rightarrow$ 11.

Page 5: 13, 13, 13, 14, 16, 15.

Page 6: 9, 8, 7, 6, 5, 4, 3, 2; then 10, 10, 10, 10, 10, 10, 10, 10.

Page 7: 9, 12, 17, 18; 8, 11, 13, 16.

Page 8: 1, 2, 3, 4, 5, 6, 7, 8; Double 5=10, 7=14, 9=18; Half of 10=5, 14=7, 18=9.

Page 9: 9, 15, 18, 20, 14, 13, 19, 20. Signs: <, >, =, <, >, <, =, >.

Page 10: 15, 15, 16, 9, 17, 16, 13, 10. Q9: 11, 12, 13, or 14. Q10: answers vary.