

Grade 3 Maths Games & Puzzles

Printable Worksheet Pack • Grade 3

Skills included

- Missing-number puzzles
- Number code breakers
 - Math riddles
 - Logic puzzles
- Patterns and challenges

Name: _____ Date: _____

Math Detective • Find the Missing Number

Read carefully. Show your working where needed.

1. $\blacksquare + 27 = 65$. What is $\blacksquare$?

2. $84 - \blacksquare = 39$. What is $\blacksquare$?

3. $\blacksquare \times 6 = 42$. What is $\blacksquare$?

4. $56 \div \blacksquare = 7$. What is $\blacksquare$?

5. $3 \times \blacksquare = 27$. What is $\blacksquare$?

6. $\blacksquare + 125 = 300$. What is $\blacksquare$?

7. $500 - \blacksquare = 275$. What is $\blacksquare$?

8. $\blacksquare \div 8 = 9$. What is $\blacksquare$?

Number Code Breaker

Read carefully. Show your working where needed.

1. Use A=1, B=2, C=3... What letter is number 13?

2. Use A=1... What word is 3-1-20?

3. What number comes next: 4, 8, 12, 16, ___?

4. What number comes next: 81, 72, 63, 54, ___?

5. What is the secret number: it is even, greater than 20, less than 30, and divisible by 4?

6. I am a 2-digit number. My tens digit is 3 and my ones digit is 5. What am I?

7. I am greater than 40 and less than 50. My digits add to 12. What am I?

8. I am a multiple of 5 between 30 and 50. My digits add to 8. What am I?

Math Riddles & Logic Puzzles

Read carefully. Show your working where needed.

- 1.** I have 4 equal sides and 4 right angles.
What shape am I?

- 2.** I am a number between 20 and 30. I am odd
and a multiple of 3. What am I?

- 3.** I have 3 sides. If you count my corners,
how many do you get?

- 4.** Three friends have 2 pencils each. How
many pencils altogether?

- 5.** I am half of 18. What number am I?

- 6.** I am double 14. What number am I?

- 7.** I have 12 sweets. I give away one-third.
How many sweets do I give?

- 8.** Which is the odd one out: 12, 18, 24, 31,
36?

Puzzle Zone • Patterns & Magic Maths

Read carefully. Show your working where needed.

1. Complete: 2, 6, 10, 14, __, __

2. Complete: 50, 45, 40, 35, __, __

3. Complete: 3, 9, 27, __. What is the rule?

4. Complete: 100, 80, 60, __, __.

5. Use 2, 4 and 6 once each to make the greatest 3-digit number.

6. Use 1, 5 and 9 once each to make the smallest 3-digit number.

7. Find two numbers that add to 20 and have a difference of 4.

8. Find a number that is a multiple of 3 and 4 and is between 10 and 30.

Answer Key

Answers for all practice pages.

- | | |
|--------------|-----------------------|
| 1. 38 | 2. 45 |
| 3. 7 | 4. 8 |
| 5. 14 | 6. 175 |
| 7. 225 | 8. 72 |
| 9. M | 10. CAT |
| 11. 20 | 12. 45 |
| 13. 24 | 14. 35 |
| 15. 44 | 16. 35 |
| 17. square | 18. 27 |
| 19. 3 | 20. 6 |
| 21. 9 | 22. 7 |
| 23. 8 | 24. 31 |
| 25. 18 | 26. 22, 26 |
| 27. 30, 25 | 28. 81; multiply by 3 |
| 29. 40, 20 | 30. 642 |
| 31. 159 | 32. 8 and 12 |
| 33. 12 or 24 | |