



$\frac{+}{-}$	Ct On	Diff of	Rnbw 100	Dbl+1	Nr 10	Rem	Dble	Hlve	"Nice"	$x+10,100$	
$\frac{\times}{\div}$	2	5,10	3	4	9	6	8	7	11,12	Revision	
		Order of Operations				1	2	3	4	5	6

**Addition and Subtraction (no Brackets or Parentheses)**

Addition and subtraction have the same precedence when they appear in the same expression. This means that neither one is done routinely before the other. Addition and subtraction are completed in the order in which they appear, from left to right. For example:  $9 - 4 + 3 = 8$ .

**Order of operations**

- |                         |                         |                          |
|-------------------------|-------------------------|--------------------------|
| 1) $8 + 3 + 1 =$ _____  | 6) $15 - 9 + 2 =$ _____ | 11) $14 - 9 + 7 =$ _____ |
| 2) $7 - 6 + 4 =$ _____  | 7) $3 + 8 + 5 =$ _____  | 12) $6 + 2 + 3 =$ _____  |
| 3) $12 - 7 - 2 =$ _____ | 8) $5 - 5 + 8 =$ _____  | 13) $17 - 5 - 5 =$ _____ |
| 4) $3 + 6 + 3 =$ _____  | 9) $16 - 5 - 9 =$ _____ | 14) $12 - 5 + 2 =$ _____ |
| 5) $9 + 9 + 2 =$ _____  |                         |                          |

**Addition: Count On**

- 16)  $100 + 2 =$  \_\_\_\_\_  
 17) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 18) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 19) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_  
 20) \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

**Multiplication**

- 36)  $2 \times 9 =$  \_\_\_\_\_  
 37)  $2 \times 2 =$  \_\_\_\_\_  
 38)  $2 \times 3 =$  \_\_\_\_\_  
 39)  $2 \times 11 =$  \_\_\_\_\_  
 40)  $2 \times 8 =$  \_\_\_\_\_

This is a

# PREVIEW

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- 10 = 80  
 ) = \_\_\_\_\_  
 ) = \_\_\_\_\_  
 30 = 80  
 = 90

- 43)  $2 \times 10 =$  \_\_\_\_\_  
 44)  $2 \times 12 =$  \_\_\_\_\_  
 45)  $2 \times 5 =$  \_\_\_\_\_

- 50)  $22 \div 2 =$  \_\_\_\_\_  
 51)  $12 \div 2 =$  \_\_\_\_\_  
 52)  $10 \div 2 =$  \_\_\_\_\_  
 53)  $14 \div 2 =$  \_\_\_\_\_  
 54)  $18 \div 2 =$  \_\_\_\_\_  
 55)  $20 \div 2 =$  \_\_\_\_\_

**Addition: Count on 1, 2, or 3 extension**

- |                         |                         |
|-------------------------|-------------------------|
| 56) $60 + 10 =$ _____   | 61) $30 + 20 =$ _____   |
| 57) $20 + 20 =$ _____   | 62) $900 + 300 =$ _____ |
| 58) $50 + 20 =$ _____   | 63) $100 + 10 =$ _____  |
| 59) $600 + 200 =$ _____ | 64) $80 + 30 =$ _____   |
| 60) $700 + 100 =$ _____ | 65) $80 + 20 =$ _____   |

**Subtraction: Count back 1, 2, or 3 extension**

- |                        |                        |
|------------------------|------------------------|
| 66) $110 - 30 =$ _____ | 71) $120 - 20 =$ _____ |
| 67) $120 - 30 =$ _____ | 72) $20 - 10 =$ _____  |
| 68) $50 - 10 =$ _____  | 73) $80 - 30 =$ _____  |
| 69) $30 - 10 =$ _____  | 74) $110 - 20 =$ _____ |
| 70) $50 - 20 =$ _____  | 75) $70 - 20 =$ _____  |



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			Order of Operations			1	2	3	4	5	6

**Addition and Subtraction (with Brackets or Parentheses)**

Parentheses or brackets are used to group operations together, so that operations inside the parentheses or brackets are completed first. For example:  $9 - (4 + 3) = 2$ .

**Order of operations**

- |                           |                            |                           |
|---------------------------|----------------------------|---------------------------|
| 1) $17 - (8 + 1) =$ _____ | 6) $(13 - 8) + 1 =$ _____  | 11) $7 + (9 - 7) =$ _____ |
| 2) $6 - 3 + 3 =$ _____    | 7) $(3 + 2) - 2 =$ _____   | 12) $4 + 8 - 4 =$ _____   |
| 3) $(9 + 8) - 1 =$ _____  | 8) $16 - (8 + 7) =$ _____  | 13) $1 + 4 - 3 =$ _____   |
| 4) $12 - (7 + 1) =$ _____ | 9) $15 - (6 + 3) =$ _____  | 14) $14 - 6 + 6 =$ _____  |
| 5) $8 - 6 + 9 =$ _____    | 10) $7 - (10 - 9) =$ _____ | 15) $(9 - 1) + 9 =$ _____ |

**Addition: Count on**

- 16)  $0.03 +$  \_\_\_\_\_
- 17)  $0.09 +$  \_\_\_\_\_
- 18)  $0.08 +$  \_\_\_\_\_
- 19)  $0.04 +$  \_\_\_\_\_
- 20)  $0.01 +$  \_\_\_\_\_

**Subtraction: Difference**

- 21)  $0.08 =$  \_\_\_\_\_
- 22)  $0.09 =$  \_\_\_\_\_
- 23)  $0.07 =$  \_\_\_\_\_
- 24)  $0.09 =$  \_\_\_\_\_
- 25)  $0.08 =$  \_\_\_\_\_

**Multiplication**

- 36)  $50 \times 1 =$  \_\_\_\_\_
- 37)  $5 \times 800 =$  \_\_\_\_\_
- 38)  $50 \times 7 =$  \_\_\_\_\_
- 39)  $5 \times 900 =$  \_\_\_\_\_
- 40)  $10 \times 120 =$  \_\_\_\_\_
- 43)  $50 \times 10 =$  \_\_\_\_\_
- 44)  $5 \times 120 =$  \_\_\_\_\_
- 45)  $50 \times 5 =$  \_\_\_\_\_

- 50)  $300 \div 5 =$  \_\_\_\_\_
- 51)  $550 \div 5 =$  \_\_\_\_\_
- 52)  $250 \div 5 =$  \_\_\_\_\_
- 53)  $150 \div 5 =$  \_\_\_\_\_
- 54)  $800 \div 10 =$  \_\_\_\_\_
- 55)  $400 \div 10 =$  \_\_\_\_\_

**Addition: Count on 1, 2, or 3 extension**

- |                          |                           |
|--------------------------|---------------------------|
| 56) $70 +$ _____ $= 80$  | 61) $100 +$ _____ $= 110$ |
| 57) $80 +$ _____ $= 110$ | 62) $20 +$ _____ $= 40$   |
| 58) $50 +$ _____ $= 60$  | 63) $60 +$ _____ $= 90$   |
| 59) $30 +$ _____ $= 50$  | 64) $80 +$ _____ $= 100$  |
| 60) $90 +$ _____ $= 110$ | 65) $70 +$ _____ $= 100$  |

**Subtraction: Difference of 1, 2, or 3 extension**

- |                         |                         |
|-------------------------|-------------------------|
| 66) $50 - 30 =$ _____   | 71) $120 - 90 =$ _____  |
| 67) $80 - 70 =$ _____   | 72) $130 - 100 =$ _____ |
| 68) $120 - 100 =$ _____ | 73) $110 - 100 =$ _____ |
| 69) $80 - 50 =$ _____   | 74) $60 - 40 =$ _____   |
| 70) $60 - 30 =$ _____   | 75) $70 - 50 =$ _____   |

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$\frac{\div}{\times}$	2	5,10	3	4	9	6	8	7	11,12	Revision
	Order of Operations				1	2	3	4	5	6

**Multiplication and Division without Brackets or Parentheses**

Multiplication and division have the same precedence when they appear in the same expression. This means that neither one is done routinely before the other. Multiplication and division are completed in the order in which they appear, from left to right. For example:  $24 \div 4 \times 3 = 18$ .

**Order of operations**

- |                                 |                                 |                                  |
|---------------------------------|---------------------------------|----------------------------------|
| 1) $5 \times 8 \div 4 =$ _____  | 6) $8 \times 4 \div 4 =$ _____  | 11) $45 \div 5 \times 9 =$ _____ |
| 2) $2 \div 2 \times 7 =$ _____  | 7) $12 \div 4 \times 8 =$ _____ | 12) $2 \times 6 \div 4 =$ _____  |
| 3) $10 \div 5 \times 7 =$ _____ | 8) $4 \times 9 \div 6 =$ _____  | 13) $32 \div 8 \times 6 =$ _____ |
| 4) $27 \div 9 \times 6 =$ _____ | 9) $12 \div 6 \times 5 =$ _____ | 14) $36 \div 6 \times 5 =$ _____ |
| 5) $7 \times 7 \div 7 =$ _____  |                                 |                                  |

**Addition: Rainbow facts to 100**

- 16)  $2 +$  \_\_\_\_\_  
 17)  $7 +$  \_\_\_\_\_  
 18)  $6 + 4 =$  \_\_\_\_\_  
 19) \_\_\_\_\_  $+ 5 =$  \_\_\_\_\_  
 20)  $9 +$  \_\_\_\_\_

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PREVIEW  
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- \_\_\_\_\_ = 6  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = 7  
 \_\_\_\_\_ = 1  
 \_\_\_\_\_ = \_\_\_\_\_  
 \_\_\_\_\_ = \_\_\_\_\_

**Multiplication: Rainbow facts to 100**

- 36)  $0.06 \times 3 =$  \_\_\_\_\_  
 37)  $0.7 \times 3 =$  \_\_\_\_\_  
 38)  $0.08 \times 3 =$  \_\_\_\_\_  
 39)  $1.2 \times 3 =$  \_\_\_\_\_  
 40)  $0.2 \times 3 =$  \_\_\_\_\_

- 41)  $0.05 \times 3 =$  \_\_\_\_\_  
 42)  $0.04 \times 3 =$  \_\_\_\_\_  
 43)  $0.09 \times 3 =$  \_\_\_\_\_  
 44)  $7 \times 0.3 =$  \_\_\_\_\_  
 45)  $3,000 \div 3 =$  \_\_\_\_\_  
 46)  $90 \div 3 =$  \_\_\_\_\_  
 47)  $9,000 \div 3 =$  \_\_\_\_\_  
 48)  $360 \div 3 =$  \_\_\_\_\_  
 49)  $120 \div 3 =$  \_\_\_\_\_  
 50)  $180 \div 3 =$  \_\_\_\_\_  
 51)  $240 \div 3 =$  \_\_\_\_\_  
 52)  $2,100 \div 3 =$  \_\_\_\_\_

**Addition: Rainbow facts to 100**

- |                          |                          |
|--------------------------|--------------------------|
| 56) $8 +$ _____ $= 100$  | 61) $79 +$ _____ $= 100$ |
| 57) $27 +$ _____ $= 100$ | 62) $16 +$ _____ $= 100$ |
| 58) $5 +$ _____ $= 100$  | 63) $63 +$ _____ $= 100$ |
| 59) $89 +$ _____ $= 100$ | 64) $85 +$ _____ $= 100$ |
| 60) $31 +$ _____ $= 100$ | 65) $34 +$ _____ $= 100$ |

**Subtraction: Rainbow facts to 100**

- |                          |                          |
|--------------------------|--------------------------|
| 66) $100 -$ _____ $= 20$ | 71) $100 -$ _____ $= 34$ |
| 67) $100 -$ _____ $= 31$ | 72) $100 -$ _____ $= 88$ |
| 68) $100 -$ _____ $= 92$ | 73) $100 -$ _____ $= 41$ |
| 69) $100 -$ _____ $= 7$  | 74) $100 -$ _____ $= 96$ |
| 70) $100 -$ _____ $= 39$ | 75) $100 -$ _____ $= 17$ |