

Multiplication Strategies for Fact Fluency



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X	0	1	2	3	4	5	6	7	8	9	10
0											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

121 Facts to Go

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										

1. Zero Property

21 Known Facts
100 Facts to Go

x	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2									
3	0	3									
4	0	4									
5	0	5									
6	0	6									
7	0	7									
8	0	8									
9	0	9									
10	0	10									

1. Zero Property
2. Identity Property

40 Known Facts
81 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2									
3	0	3									
4	0	4									
5	0	5									
6	0	6									
7	0	7									
8	0	8									
9	0	9									
10	0	10									

1. Zero Property
2. Identity Property
3. Commutative property

40 Known Facts
45 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6								
4	0	4	8								
5	0	5	10								
6	0	6	12								
7	0	7	14								
8	0	8	16								
9	0	9	18								
10	0	10	20								

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles

57 Known Facts
 36 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6								30
4	0	4	8								40
5	0	5	10								50
6	0	6	12								60
7	0	7	14								70
8	0	8	16								80
9	0	9	18								90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens

72 Known Facts
28 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6			15					30
4	0	4	8			20					40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12			30					60
7	0	7	14			35					70
8	0	8	16			40					80
9	0	9	18			45					90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts
6. Ten and half

85 Known Facts
21 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12		20					40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18		30					60
7	0	7	14	21		35					70
8	0	8	16	24		40					80
9	0	9	18	27		45					90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts
6. Ten and half
7. Doubles + a group

90 Known Facts
15 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30					60
7	0	7	14	21	28	35					70
8	0	8	16	24	32	40					80
9	0	9	18	27	36	45					90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts
6. Ten and half
7. Doubles + a group
8. Double – Double

105 Known Facts
10 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30				54	60
7	0	7	14	21	28	35				63	70
8	0	8	16	24	32	40				72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts
6. Ten and half
7. Doubles + a group
8. Double – Double
9. Nines

112 Known Facts
6 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30			48	54	60
7	0	7	14	21	28	35			56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts
6. Ten and half
7. Doubles + a group
8. Double – Double
9. Nines
10. Double – Double - Double

117 Known Facts
3 Facts to Go

X	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

1. Zero Property
2. Identity Property
3. Commutative property
4. Doubles
5. Tens facts

1. Ten and half
2. Doubles + a group
3. Double - Double
4. Nines
5. Double - Double - Double

1. 6x6
2. 6x7, 7x6
3. 7x7
4. Distributive Property w/known facts

121 Known Facts