Show What You Know!

Practice and Review

for *Times Tables Make Sense*

Books 1, 2, and 3

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www.mathdog.ca

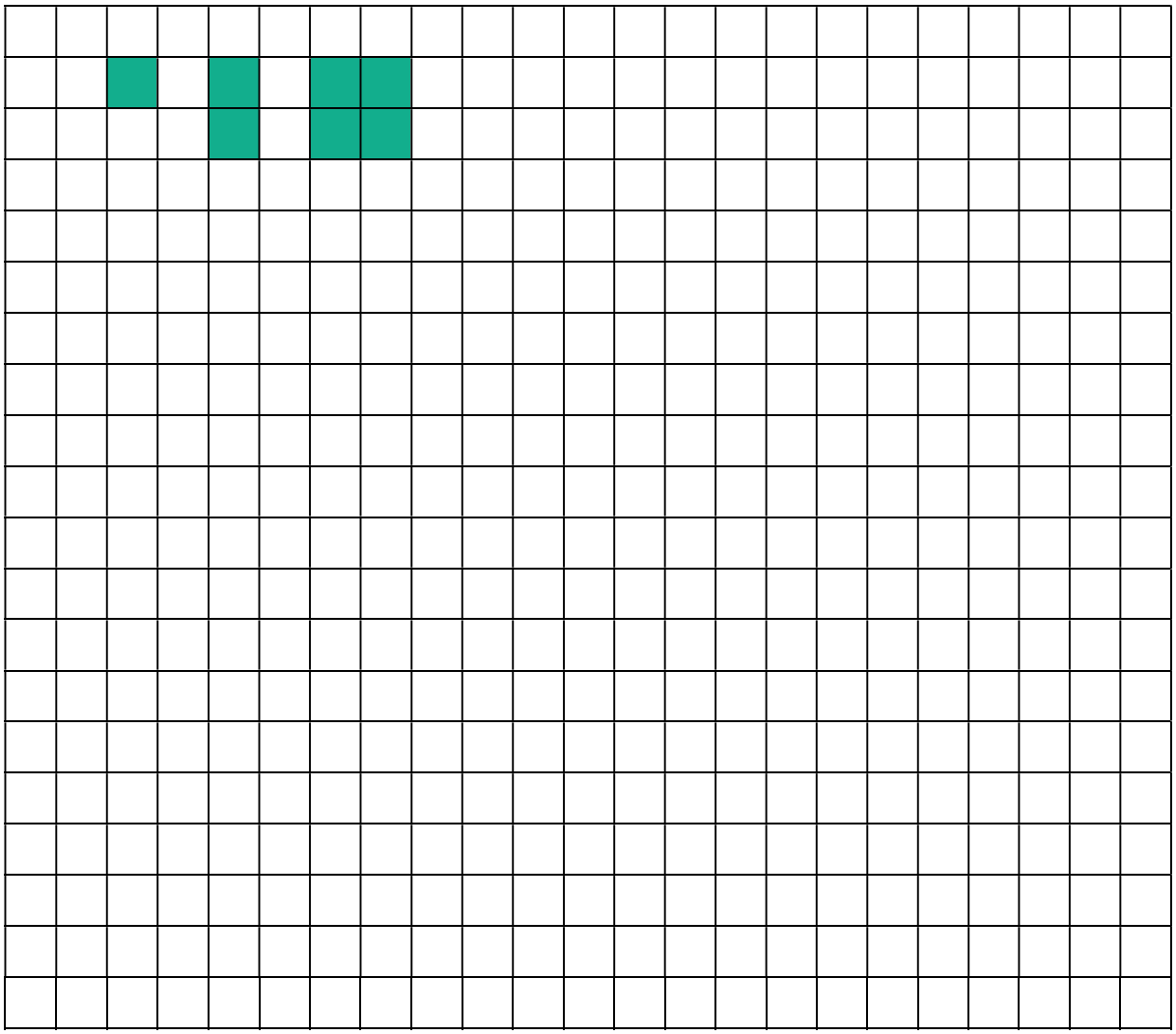
Contents

Part 1
Getting Started

See the Patterns

Numbers get big fast when you double.

Start with 1 square covered. Then double it. Double that. Keep on doubling. The first ones are done for you. How many doubles can you get on this page?



Highlight the even numbers.
Start with 2, then add 2, add 2 more, add 2 more, and so on.
Some are done for you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Highlight the odd numbers.
Start with 1, then add 2, add 2 more, add 2 more, and so on.
Some are done for you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Skip Counting

Use a highlighter to mark the numbers you say when you skip count.

Skip count by 2s.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

21 22 23 24 25 26

Skip count by 3s.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

21 22 23 24 25 26

Skip count by 4s.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Skip count by 5s.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Skip count by 10s.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Show What You Know!

Double and double again.

Keep on doubling as long as you can. Some are done for you.

2 4, 8, 16, 32, 64

4 _____

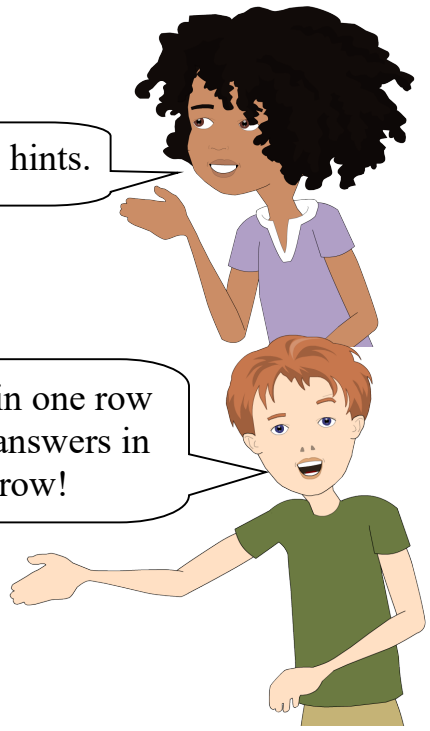
8 _____

3 6, 12, 24, 48, 96

6 _____

5 _____

10 _____



Highlight the even numbers.

1 2 3 4 5 6 7 8 9 10

21 22 33 49 50 56 74 75 99

121 122 233 274 750 990 999 1000

Highlight the odd numbers.

1 2 3 4 5 6 7 8 9 10

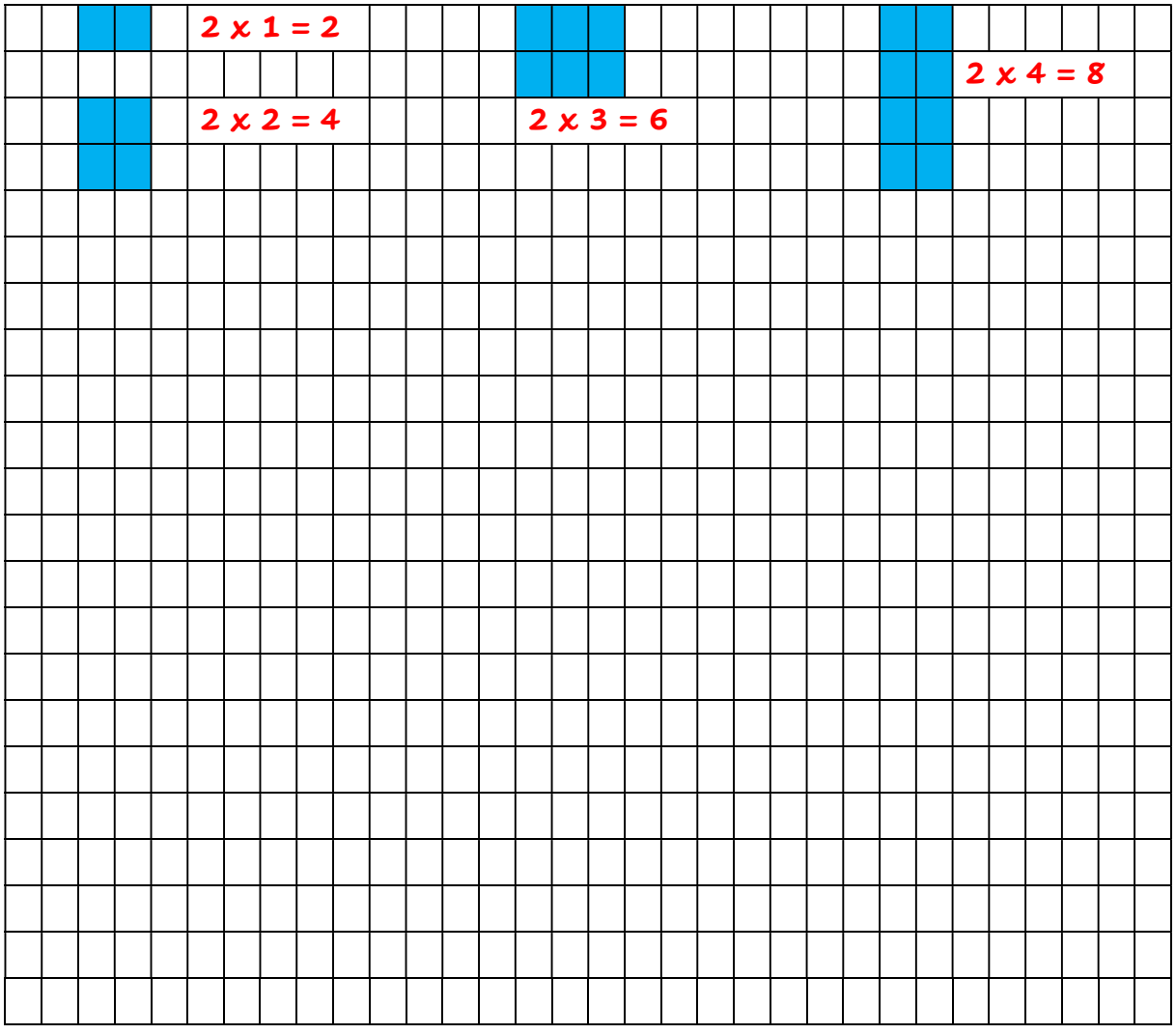
21 22 33 49 50 56 74 75 99

121 122 233 274 750 990 999 1000

Part 2
The 2 Times Table

See the Patterns

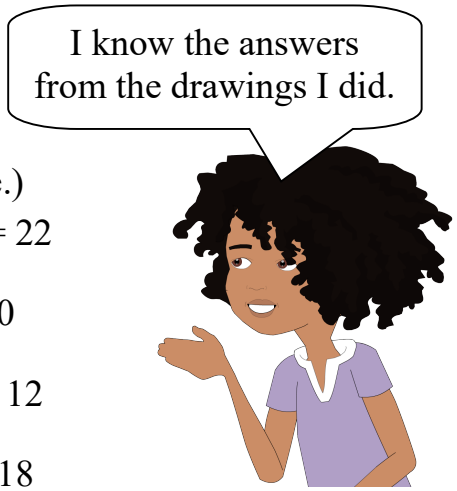
Multiples of 2: Use the graph paper to show some multiples of 2.
The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 2 x 1, 2 x 2, 2 x 3, 2 x 4, 2 x 5, 2 x 6, 2 x 7, 2 x 8, 2 x 9, 2 x 10, and 2 x 11. (There is more graph paper at the end of this book.)



Skip count by 2's. Highlight the multiples of 2.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Show What You Know!



Highlight the number sentences that are true. (11 are true.)

2 x 5 = 10	2 x 4 = 8	2 x 11 = 22
2 x 10 = 20	2 x 8 = 16	2 x 0 = 0
2 x 2 = 8	2 x 1 = 2	2 x 6 = 12
2 x 7 = 14	2 x 3 = 6	2 x 9 = 18

Double and double again.

Keep on doubling as long as you can. Some are done for you.

2 4, 8, 16, 32, 64

4 _____

8 _____

3 6, 12, 24, 48, 96

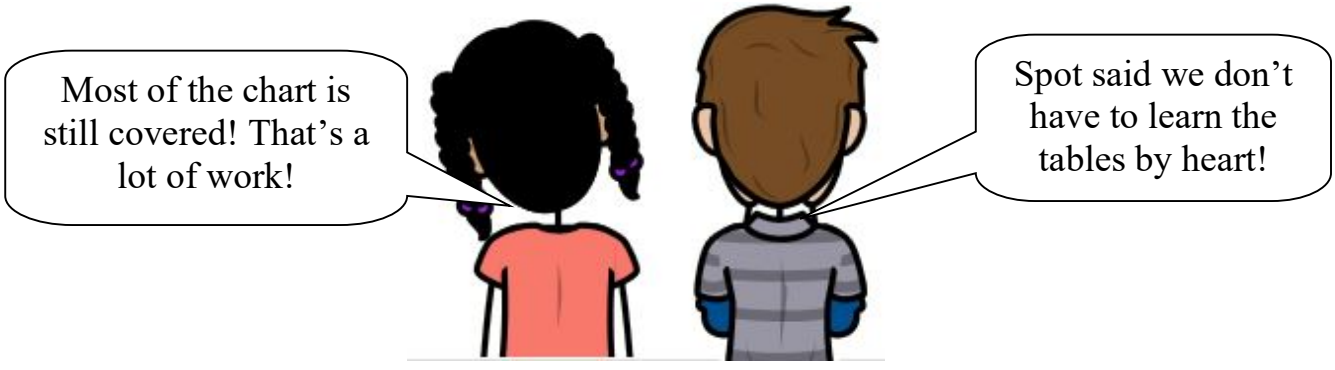
6 _____

5, _____

10, _____

Fill in the white boxes on this chart. Work across, then down.

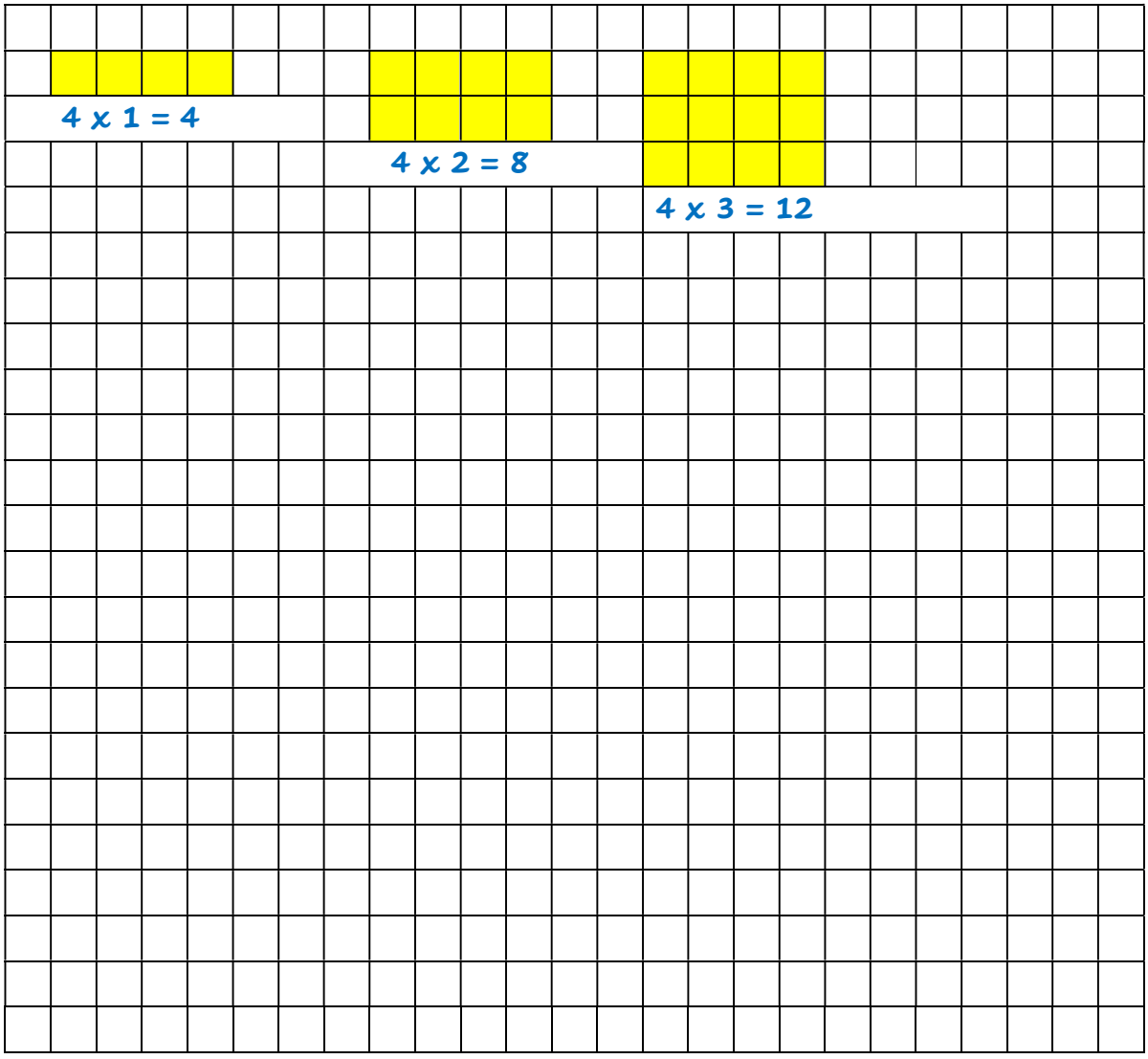
		0	1	2	3	4	5	6	7	8	9	10	11
	0												
	1												
Double the number!	**2**												
	3												
	4												
	5												
	6												
	7												
	8												
	9												
	10												
	11												



Part 3
The 4 Times Table

See the Patterns

Multiples of 4: Use the graph paper to show some multiples of 4.
The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 4 x 1, 4 x 2, 4 x 3, 4 x 4, 4 x 5, 4 x 6, 4 x 7, 4 x 8, 4 x 9, 4 x 10, and 4 x 11. (There is more graph paper at the end of this book.)



Skip count by 4.

Highlight the multiples of 4. Some are done for you.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Show What You Know!

Highlight the math sentences that are true. (11 are true)

4 x 5 = 20	4 x 4 = 16	4 x 3 = 12
4 x 9 = 36	4 x 8 = 32	4 x 11= 44
4 x 2 = 8	4 x 1 = 4	4 x 6 = 24
4 x 10 = 24	4 x 7 = 28	4 x 0 = 0

Double and double again.

Keep on doubling as long as you can. Some are done for you.

2 4, 8, 16, 32, 64

4 _____

8 _____

3 6, 12, 24, 48, 96 _____

6 _____

5, _____

10, _____

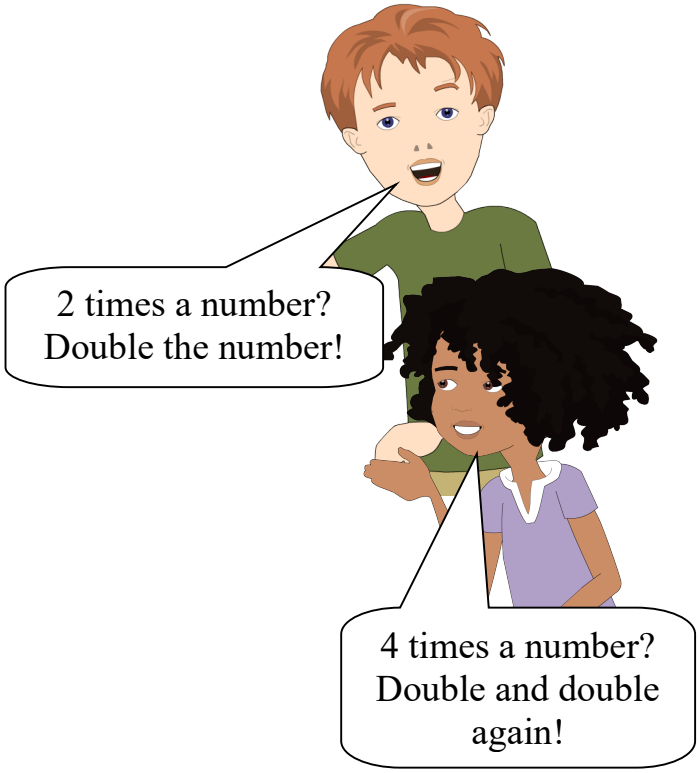
Match.

a. 2 times a number? ____ Double and double again!

b. 4 times a number? ____ Double the number!

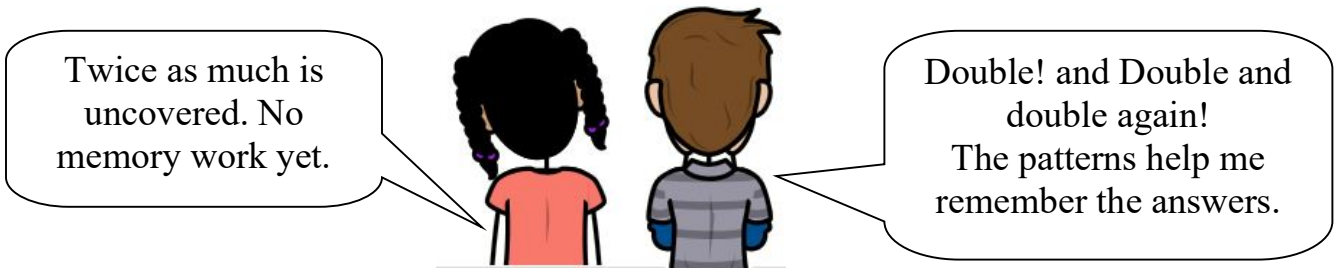
Finish the number sentences. (Work across the rows.)

2 x 5 = _____	4 x 5 = _____
2 x 3 = _____	4 x 3 = _____
2 x 2 = _____	4 x 2 = _____
2 x 6 = _____	4 x 6 = _____
2 x 9 = _____	4 x 9 = _____
2 x 8 = _____	4 x 8 = _____
2 x 1 = _____	4 x 1 = _____
2 x 11 = _____	4 x 11 = _____
2 x 4 = _____	4 x 4 = _____
2 x 0 = _____	4 x 0 = _____
2 x 7 = _____	4 x 7 = _____
2 x 10 = _____	4 x 10 = _____



Fill in the white boxes. Do the 2 times table, then the 4 times table.

		0	1	2	3	4	5	6	7	8	9	10	11
	0												
	1												
Double the number!	**2**												
	3												
Double and double again.	**4**												
	5												
	6												
	7												
	8												
	9												
	10												
	11												

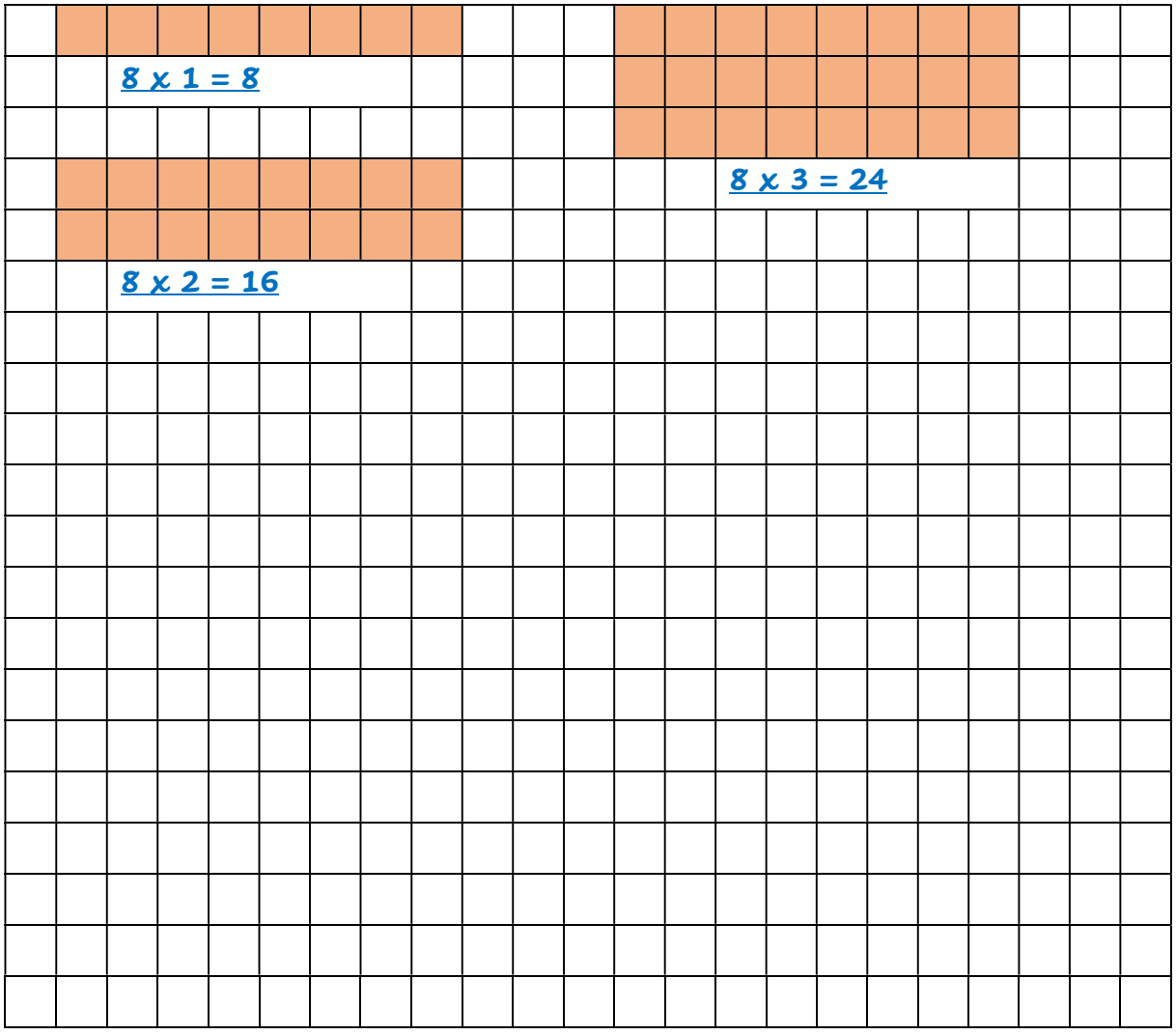


Part 4
The 8 Times Table

See the Patterns

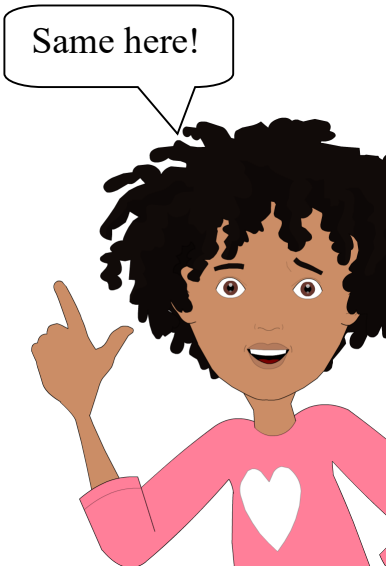
Multiples of 8

Use the graph paper to show some multiples of 8. The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 8 x 1, 8 x 2, 8 x 3, 8 x 4, 8 x 5, 8 x 6, 8 x 7, 8 x 8, 8 x 9, 8 x 10, and 8 x 11. (There is more graph paper at the end of this book.)



Skip count by 8. Highlight the multiples of 8.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	80	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Highlight the number sentences that are true. (11 are true.)

8 x 5 = 40	8 x 7 =56	8 x 1 = 88
8 x 9 = 72	8 x 2 =16	8 x 1 = 8
8 x 6 = 46	8 x 4 =32	8 x 8 = 64
8 x 3 = 24	8 x 0 = 0	8 x 10 = 80

Show What You Know!

Double and double again.

Keep on doubling as long as you can. Some are done for you.

2 4, 8, 16, 32, 64

4 _____

8 _____

3 _____

6 _____

5 _____

10 _____

Match.

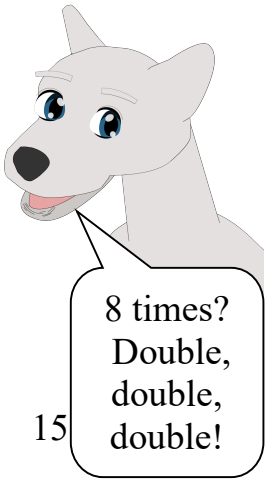
a. 4 times a number? _____ double the number!

b. 2 times a number? _____ double, double, double!

c. 8 times a number? _____ double and double again!

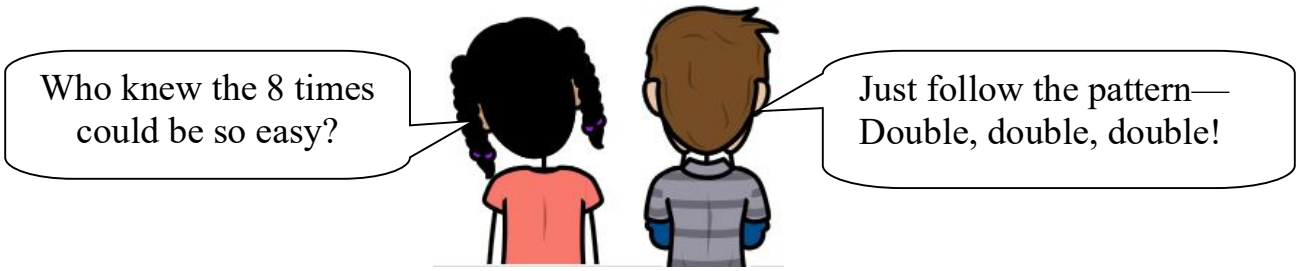
Finish the number sentences. (Work across the rows.)

2 x 6 = _____	4 x 6 = _____	8 x 6 = _____
2 x 3 = _____	4 x 3 = _____	8 x 3 = _____
2 x 9 = _____	4 x 9 = _____	8 x 9 = _____
2 x 5 = _____	4 x 5 = _____	8 x 5 = _____
2 x 4 = _____	4 x 4= _____	8 x 4 = _____
2 x 2 = _____	4 x 2 = _____	8 x 2 = _____
2 x 11 = _____	4 x 11 = _____	8 x 11 = _____
2 x 0 = _____	4 x 0 = _____	8 x 0 = _____
2 x 8 = _____	4 x 8 = _____	8 x 8 = _____
2 x 1 = _____	4 x 1 = _____	8 x 1 = _____
2 x 10 = _____	4 x 10 = _____	8 x 10 = _____
2 x 7 = _____	4 x 7 = _____	8 x 7 = _____



Fill in the white boxes. Do the 2 times table, then the 4 times, then the 8 times table.

		0	1	2	3	4	5	6	7	8	9	10	11
	0												
	1												
Double the number!	**2**												
	3												
Double and double again.	**4**												
	5												
	6												
	7												
Double, double, double!	**8**												
	9												
	10												
	11												



Part 5
The 1 Times Table and the 0 Times Table

See the Patterns

Finish the number sentences.

1 x 5 = _____	1 x 2 = _____	1 x 3 = _____
1 x 4 = _____	1 x 6 = _____	1 x 7 = _____
1 x 8 = _____	1 x 9 = _____	1 x 10 = _____
1 x 0 = _____	1 x 1 = _____	1 x 11 = _____
0 x 0 = _____	0 x 1 = _____	0 x 2 = _____
0 x 3 = _____	0 x 4 = _____	0 x 5 = _____
0 x 6 = _____	0 x 7 = _____	0 x 8 = _____
0 x 9 = _____	0 x 10 = _____	0 x 11 = _____

Highlight the math sentences that are true. (11 are true.)

0 x 5 = 0	0 x 3 = 0	0 x 10 = 0	0 x 1 = 0
0 x 6 = 0	0 x 7 = 0	1 x 8 = 8	1 x 11 = 11
1 x 0 = 0	1 x 9 = 9	1 x 4 = 4	1 x 2 = 0

Show What You Know!

Double and double again.

Keep on doubling as long as you can. Some are done for you.

14, 28, 56 _____

7 _____

2 _____

4 _____

8 _____

3 _____

6 _____

5 _____

10 _____

Match.

a. 4 times a number? ____ always 0

b. 2 times a number? ____ double the number

c. 0 times a number? ____ double, double, double!

d. 1 times a number? ____ double and double again

e. 8 times a number? ____ same as the number

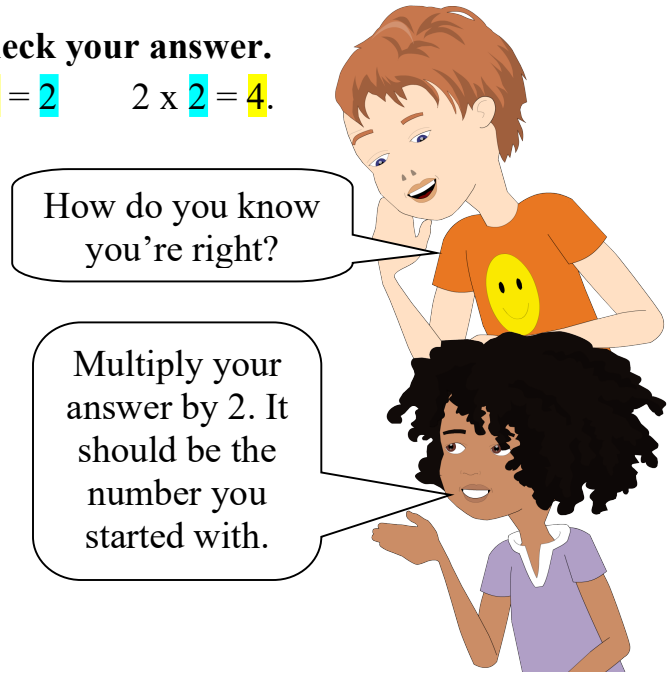
Finish the number sentences. (Work across the rows.)

2 x 1 = _____	4 x 1 = _____	8 x 1 = _____
2 x 6 = _____	4 x 6 = _____	8 x 6 = _____
2 x 11 = _____	4 x 11 = _____	8 x 11 = _____
2 x 9 = _____	4 x 9 = _____	8 x 9 = _____
2 x 10 = _____	4 x 10 = _____	8 x 10 = _____
2 x 3 = _____	4 x 3 = _____	8 x 3 = _____
2 x 7 = _____	4 x 7 = _____	8 x 7 = _____
2 x 4 = _____	4 x 4= _____	8 x 4 = _____
2 x 2 = _____	4 x 2 = _____	8 x 2 = _____
2 x 0 = _____	4 x 0 = _____	8 x 0 = _____
2 x 8 = _____	4 x 8 = _____	8 x 8 = _____
2 x 5 = _____	4 x 5 = _____	8 x 5 = _____

Cut each number in half, then multiply to check your answer.

Half of 2 = 1 2 x 1 = 2. Half of 4 = 2 2 x 2 = 4.

Half of 6 = _____	2 x _____ = 6.
Half of 8 = _____	2 x _____ = 8.
Half of 10 = _____	2 x _____ = 10.
Half of 12 = _____	2 x _____ = 12.
Half of 14 = _____	2 x _____ = 14.
Half of 16 = _____	2 x _____ = 16.
Half of 18 = _____	2 x _____ = 18.
Half of 20 = _____	2 x _____ = 20.
Half of 22 = _____	2 x _____ = 22.



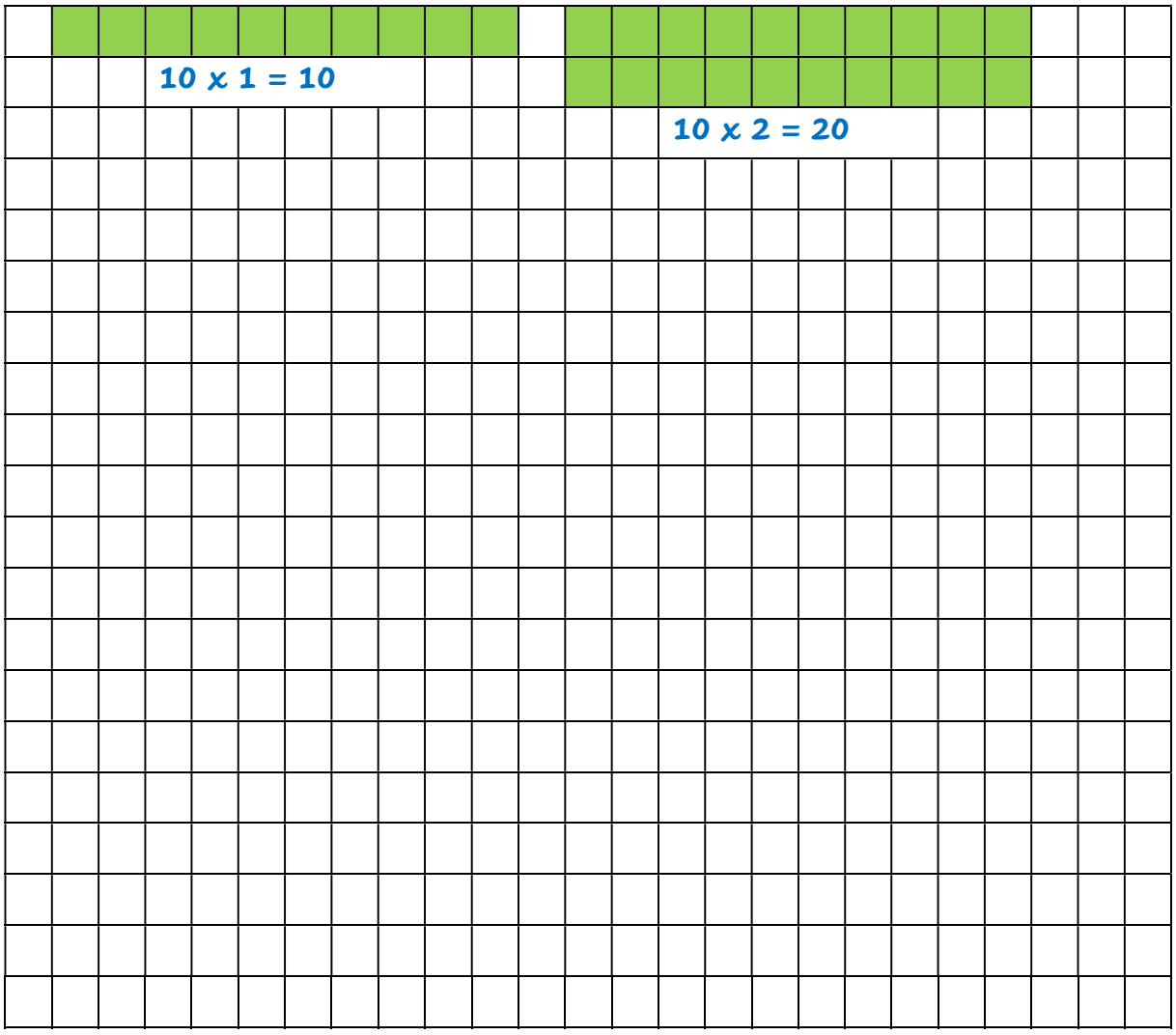
Fill in the white boxes. Do the 2 times table, then the 4 times, then the 8 times table, then the rest.

		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**												
Same as the number.	**1**												
Double the number!	**2**												
	3												
Double and double again.	**4**												
	5												
	6												
	7												
Double, double, double!	**8**												
	9												
	10												
	11												

Part 6
The 10 Times Table

See the Patterns

Use the graph paper to show some multiples of 10. The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 10 x 1, 10 x 2, 10 x 3, 10 x 4, 10 x 5, 10 x 6, 10 x 7, 10 x 8, 10 x 9, 10 x 10, and 10 x 11. (There is more graph paper at the end of this book.)



Skip count by 10s. Highlight the multiples of 10.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	205	106	107	108	109	110

Highlight the number sentences that are true. (11 are true.)

10 x 5 = 50	10 x 6 = 60	10 x 10 = 100
10 x 3 = 30	10 x 1 = 10	10 x 8 = 80
10 x 4 = 40	10 x 2 = 20	10 x 11 = 110
10 x 0 = 0	10 x 9 = 99	10 x 7 = 70

Double and double again.

Keep on doubling as long as you can. Some are done for you.

14, 28, 56 _____

7 _____

18, 36, 72 _____

9 _____

2 _____

3 _____

6 _____

5 _____

10 _____

Match.

a. 4 times a number? _____ same as the number

b. 2 times a number? _____ double the number

c. 0 times a number? _____ number to the 10s place, 0 in the 1s place.

d. 10 times a number? _____ always 0

e. 8 times a number? _____ double and double again

f. 1 times a number? _____ double, double, double

Finish the number sentences. (Work down).

3 x 0 = _____	5 x 0 = _____	7 x 0 = _____
3 x 1 = _____	5 x 1 = _____	7 x 1 = _____
3 x 2 = _____	5 x 2 = _____	7 x 2 = _____
3 x 4 = _____	5 x 4 = _____	7 x 4 = _____
3 x 8 = _____	5 x 8 = _____	7 x 8 = _____
3 x 10 = _____	5 x 10 = _____	7 x 10 = _____

Cut each number in half. Check.

Half of 2 = 1 2 x 1 = 2.

Half of 4 = 2 2 x 2 = 4.

Half of 10 = _____ 2 x _____ = 10.

Half of 20 = _____ 2 x _____ = 20.

Half of 40 = _____ 2 x _____ = 40.

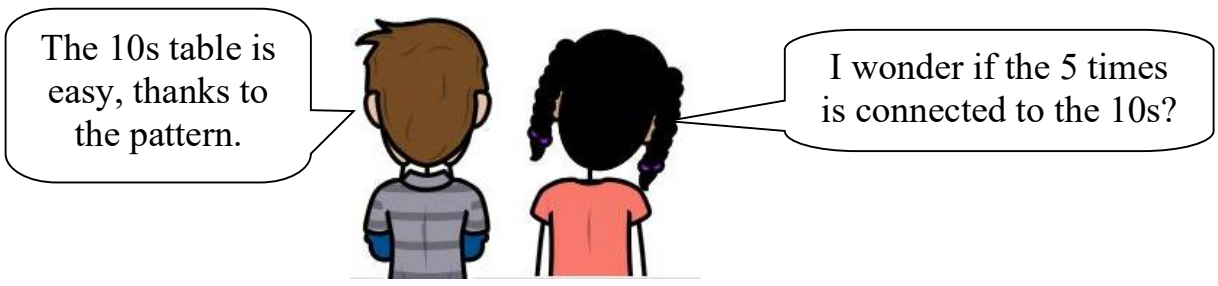
Half of 60 = _____ 2 x _____ = 60.

Half of 80 = _____ 2 x _____ = 80.

Half of 100 = _____ 2 x _____ = 100.

Fill in the white boxes. Start with the 10 times table, then do the rest.

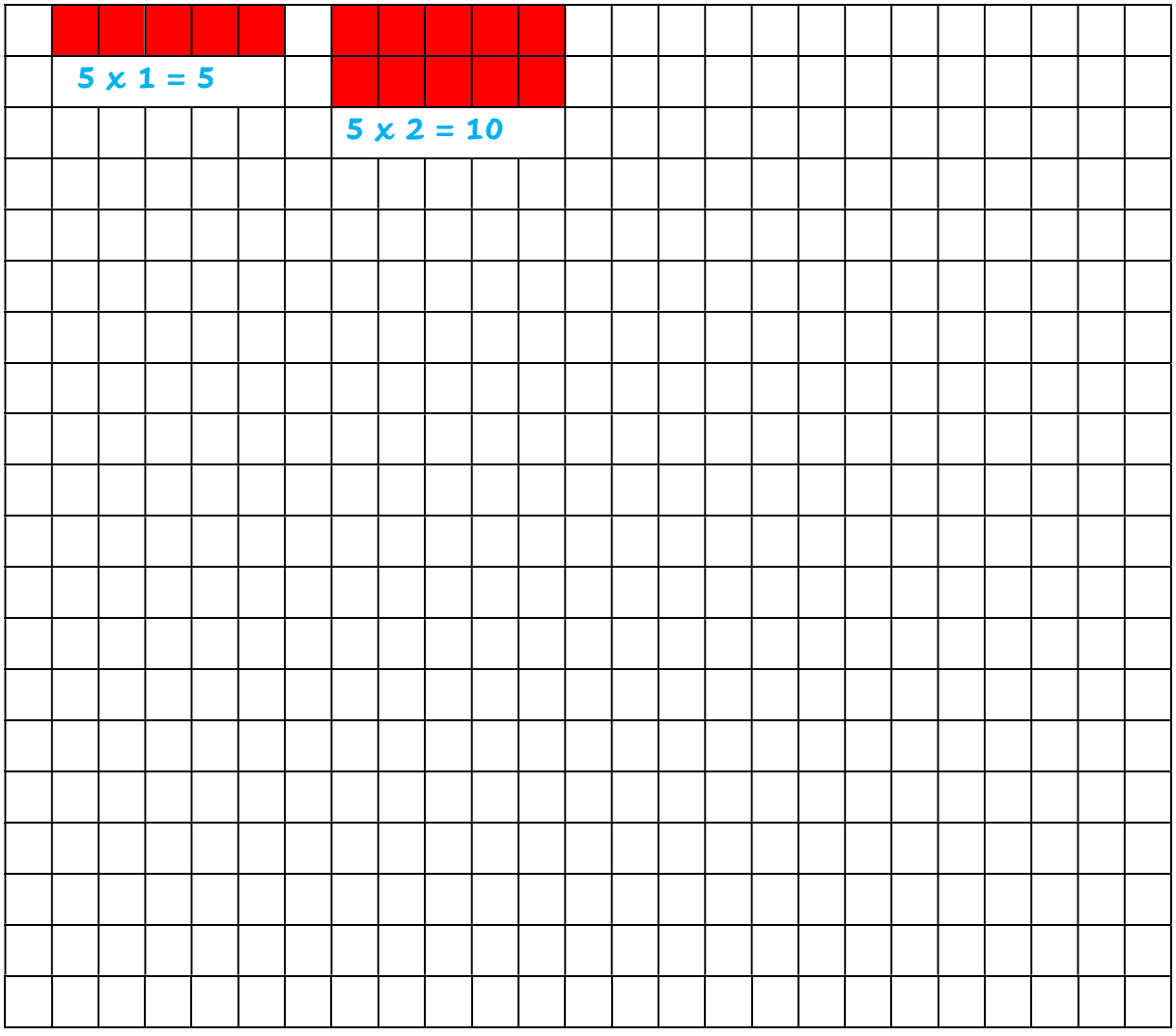
		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**												
Same as the number.	**1**												
Double the number!	**2**												
	3												
Double and double again.	**4**												
	5												
	6												
	7												
Double, double, double!	**8**												
	9												
Number to the 10s place, 0 in the 1s place.	**10**												
	11												



Part 7
The 5 Times Table

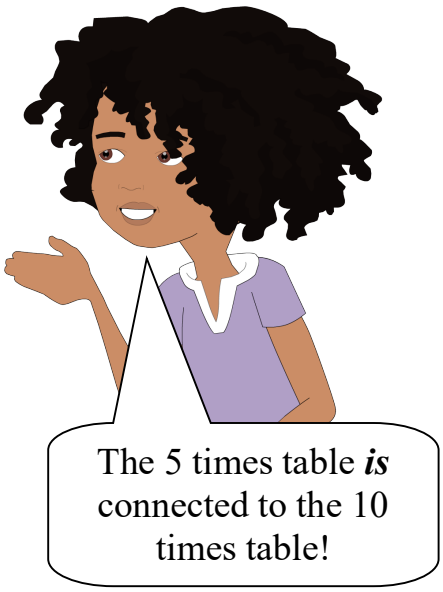
See the Patterns

Use the graph paper to show some multiples of 5.
The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 5 x 1, 5 x 2, 5 x 3, 5 x 4, 5 x 5, 5 x 6, 5 x 7, 5 x 8, 5 x 9, 5 x 10, and 5 x 11. (There is more graph paper at the end of this book.)



Skip count by 5s. Highlight the multiples of 5.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Highlight the math sentences that are true. (11 are true.)

5 x 2 = 10	5 x 6 = 30	5 x 4 = 20	5 x 1 = 5
5 x 3 = 15	5 x 7 = 35	5 x 8 = 40	5 x 9 = 45
5 x 10 = 50	5 x 5 = 25	5 x 11 = 60	5 x 0 = 0

Show What You Know!

Double and double again.

Keep on doubling as long as you can. Some are done for you.

14, 28, 56 _____

7 _____

18, 36, 72 _____

9 _____

2 _____

4 _____

8 _____

3 _____

6 _____

5 _____

10 _____

Match

a. 4 times a number ____ same as the number

b. 2 times a number ____ double and double again

c. 0 times a number ____ half of 10 times the number

d. 10 times a number ____ always 0

e. 8 times a number ____ number to the 10s place, 0 in the 1s place.

f. 1 times a number ____ double, double, double

g. 5 times a number ____ double the number

Finish the number sentences. Work across.

10 x 10 = _____ 5 x 10 = _____

10 x 2 = _____ 5 x 2 = _____

10 x 6 = _____ 5 x 6 = _____

10 x 4 = _____ 5 x 4 = _____

10 x 8 = _____ 5 x 8 = _____

10 x 3 = _____ 5 x 3 = _____

10 x 9 = _____ 5 x 9 = _____

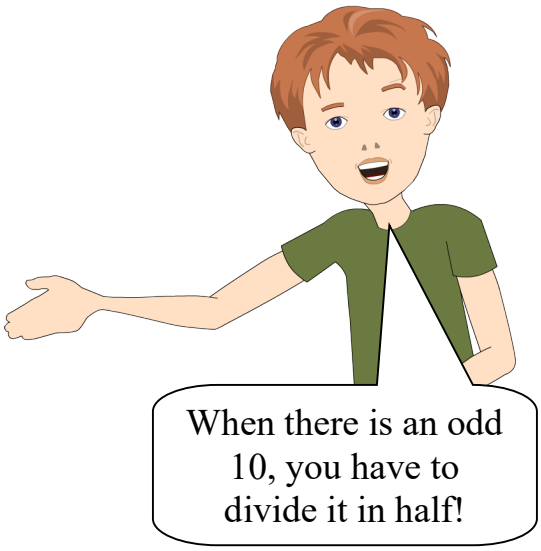
10 x 11 = _____ 5 x 11 = _____

10 x 5 = _____ 5 x 5 = _____

10 x 0 = _____ 5 x 0 = _____

10 x 1 = _____ 5 x 1 = _____

10 x 7 = _____ 5 x 7 = _____



Now try these.

2 x 6 = _____ 2 x 7 = _____ 2 x 9 = _____

4 x 6 = _____ 4 x 7 = _____ 4 x 9 = _____

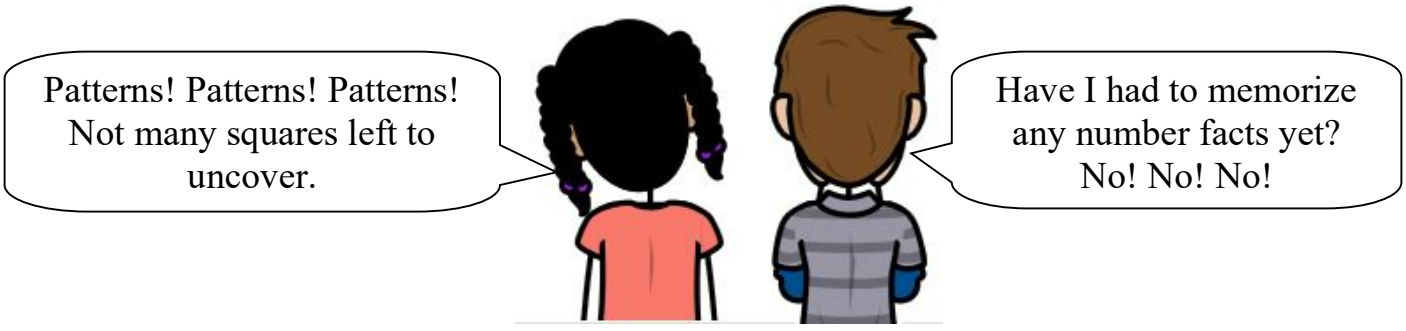
8 x 6 = _____ 8 x 7 = _____ 8 x 9 = _____

10 x 6 = _____ 10 x 7 = _____ 10 x 9 = _____

5 x 6 = _____ 5 x 7 = _____ 5 x 9 = _____

Fill in the white boxes. Start with the 10 times table, then the 5 times table, then the rest.

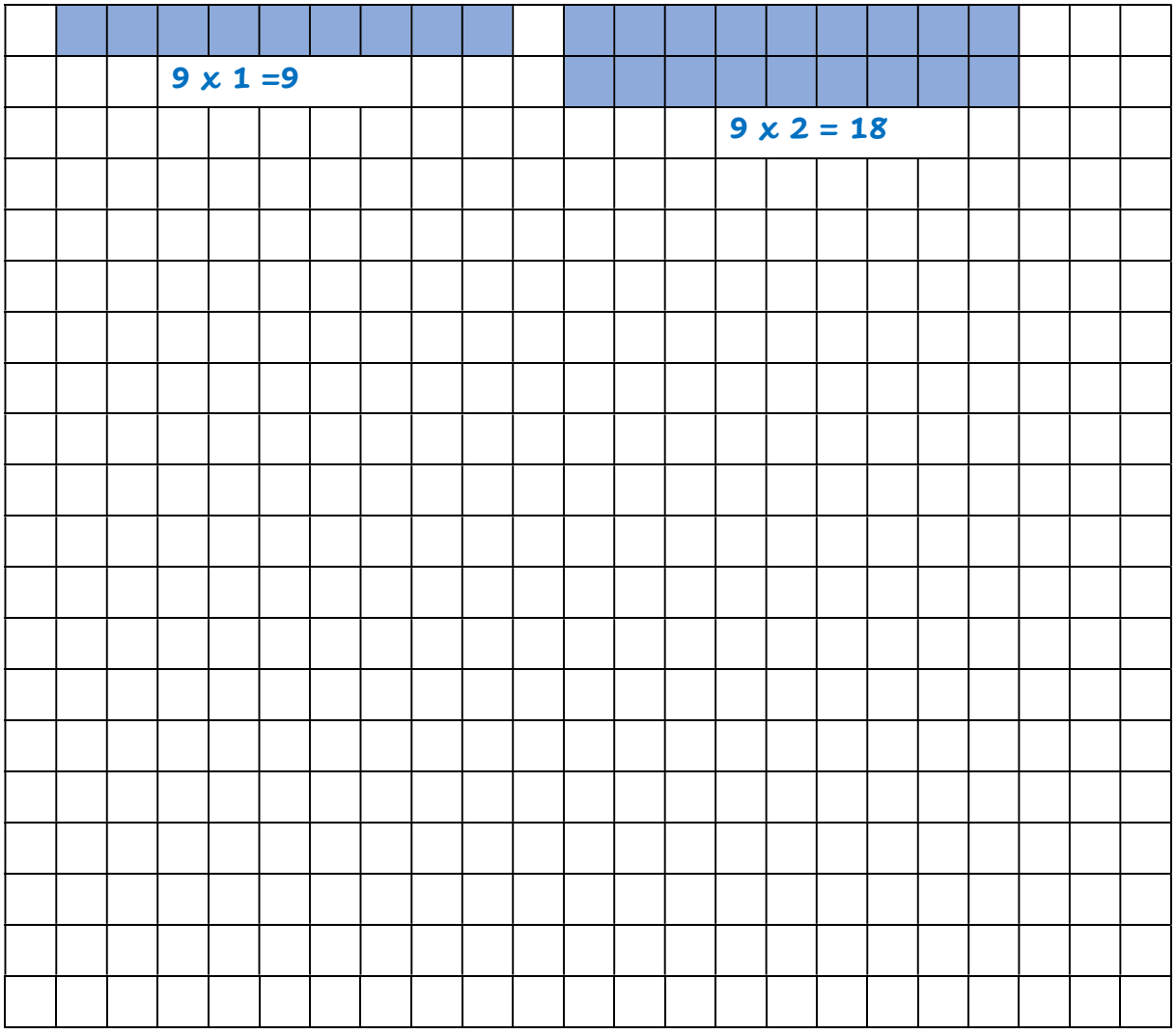
		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**												
Same as the number.	**1**												
Double the number!	**2**												
	3												
Double and double again.	**4**												
Half of 10 times the number.	**5**												
	6												
	7												
Double, double, double!	**8**												
	9												
Number to the 10s place, 0 in the 1s place.	**10**												
	11												



Part 8
The 9 Times Table

See the Patterns

Multiples of 9: Use the graph paper to show some multiples of 9.
The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 9 x 1, 9 x 2, 9 x 3, 9 x 4, 9 x 5, 9 x 6, 9 x 7, 9 x 8, 9 x 9, 9 x 10 and 9 x 11. (There is more graph paper at the end of this book.)



Highlight the multiples of 9. Skip count by 9s.

.1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

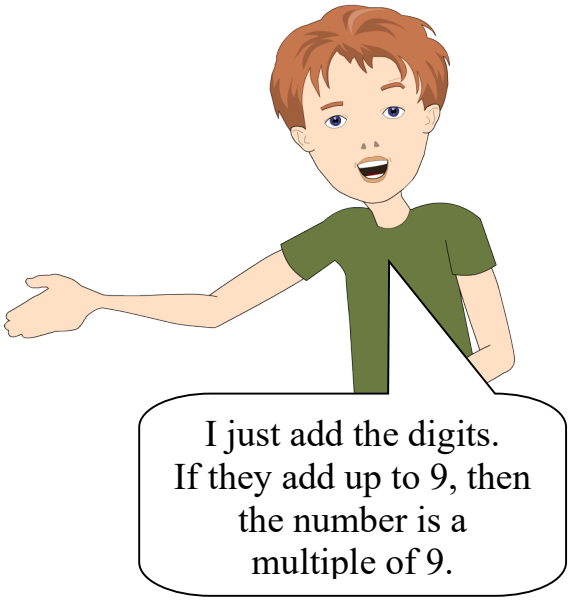
Show what you know

Highlight the math sentences that are true. (11 are true.)

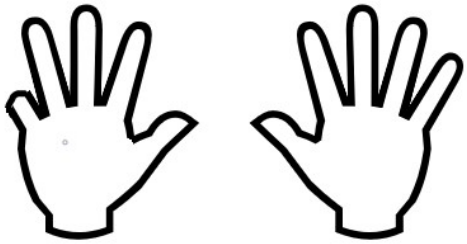
9 x 1 = 9	9 x 9 = 81	9 x 2 = 18
9 x 10 = 90	9 x 5 = 45	9 x 4 = 36
9 x 0 = 0	9 x 7 = 63	9 x 8 = 72
9 x 3= 27	9 x 11 = 99	9 x 6 = 73

Highlight the multiples of 9.

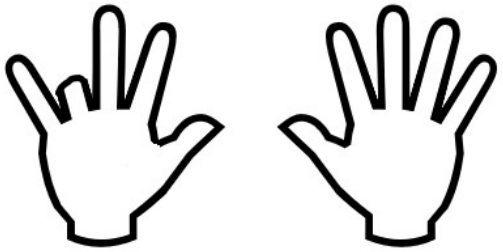
9	18	24	27	36	45	50	54
60	63	65	72	79	81	88	90
99	100						



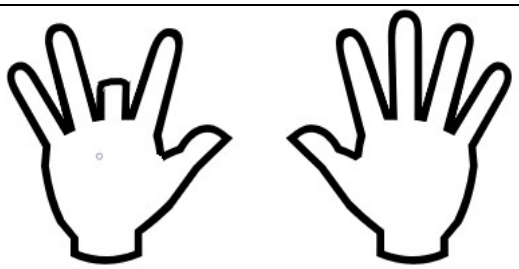
Read your hands to find the answers in the 9 times table.



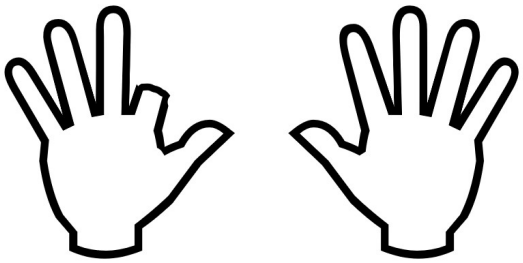
9 x 1 = _____



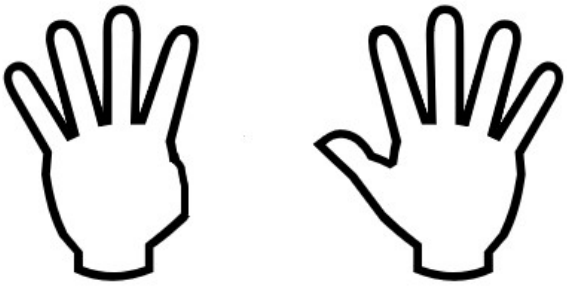
9 x 2 = _____



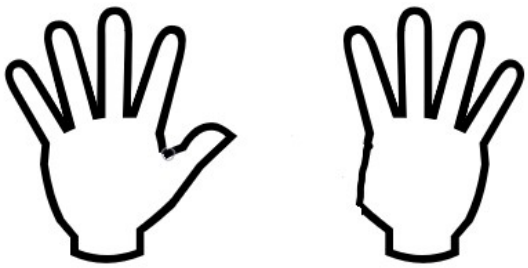
9 x 3 = _____



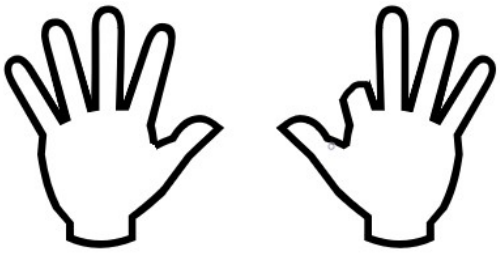
9 x 4 = _____



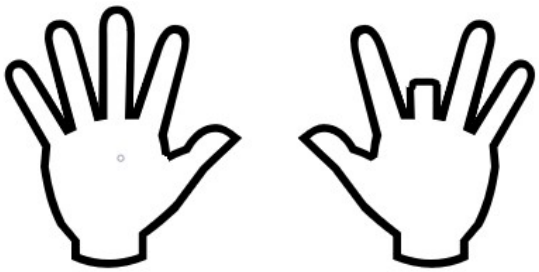
9 x 5 = _____



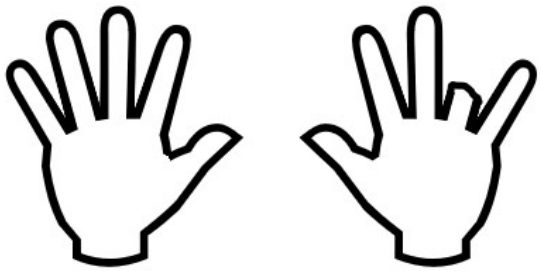
9 x 6 = _____



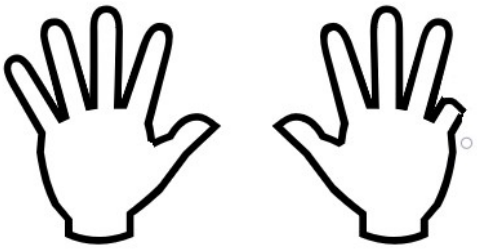
9 x 7 = _____



9 x 8 = _____



9 x 9 = _____



9 x 10 = _____

Double and double again.

Keep on doubling as long as you can.

2 _____

3 _____

5 _____

7 _____

9 _____

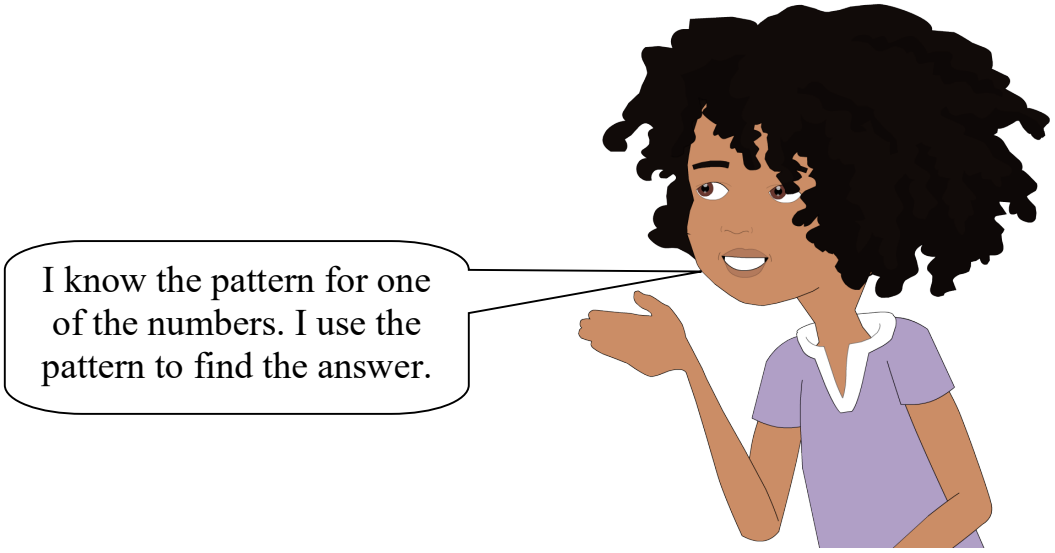
11 _____

Match.

a. 4 times a number	____ number to the 10s place, 0 in the 1s place
b. 2 times a number	____ double the number
c. 0 times a number	____ read your hands
d. 10 times a number	____ double and double again
e. 8 times a number	____ always 0
f. 1 times a number	____ double, double, double
g. 5 times a number	____ same as the number
h. 9 times a number	____ half of 10 times the number

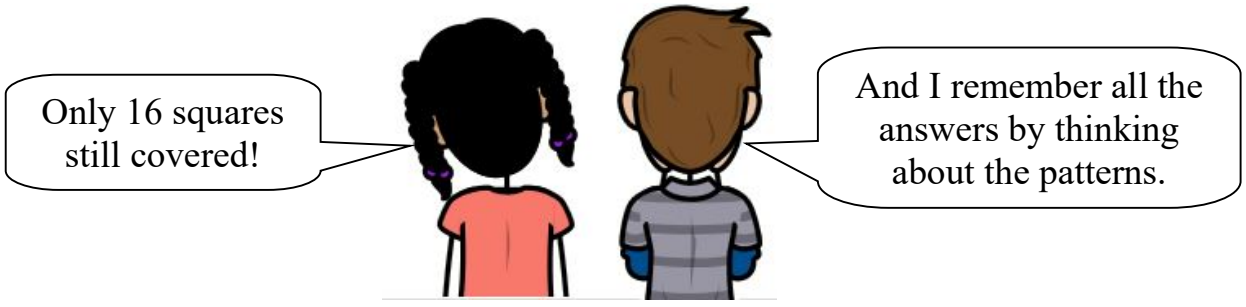
Finish these number sentences.

3 x 2 = _____	6 x 2 = _____	7 x 2 = _____
3 x 4 = _____	6 x 4 = _____	7 x 4 = _____
3 x 8 = _____	6 x 8 = _____	7 x 8= _____
3 x 10 = _____	6 x 10 = _____	7 x 10= _____
3 x 5 = _____	6 x 5 = _____	7 x 5 = _____
3 x 9 = _____	6 x 9 = _____	7 x 9 = _____

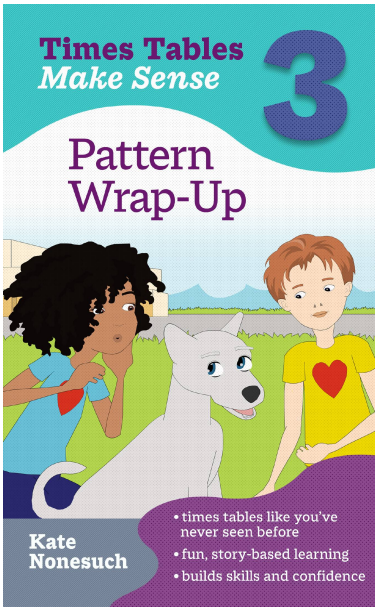


Fill in the white boxes. Do the hardest one first, then the rest.

		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**												
Same as the number.	**1**												
Double the number!	**2**												
	3												
Double and double again.	**4**												
Half of 10 times the number.	**5**												
	6												
	7												
Double, double, double!	**8**												
Read your hands.	**9**												
Number to the 10s place, 0 in the 1s place.	**10**												
	11												

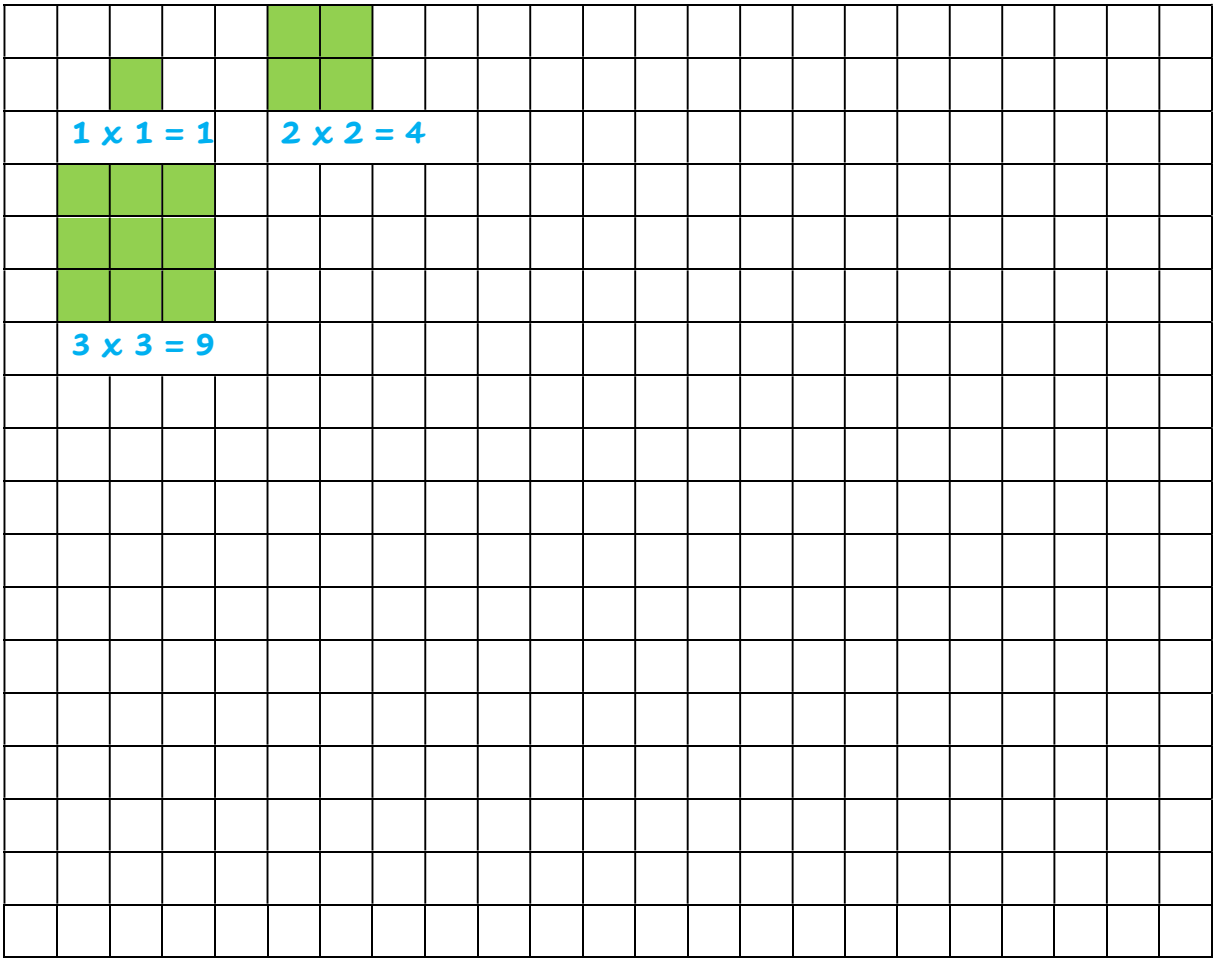


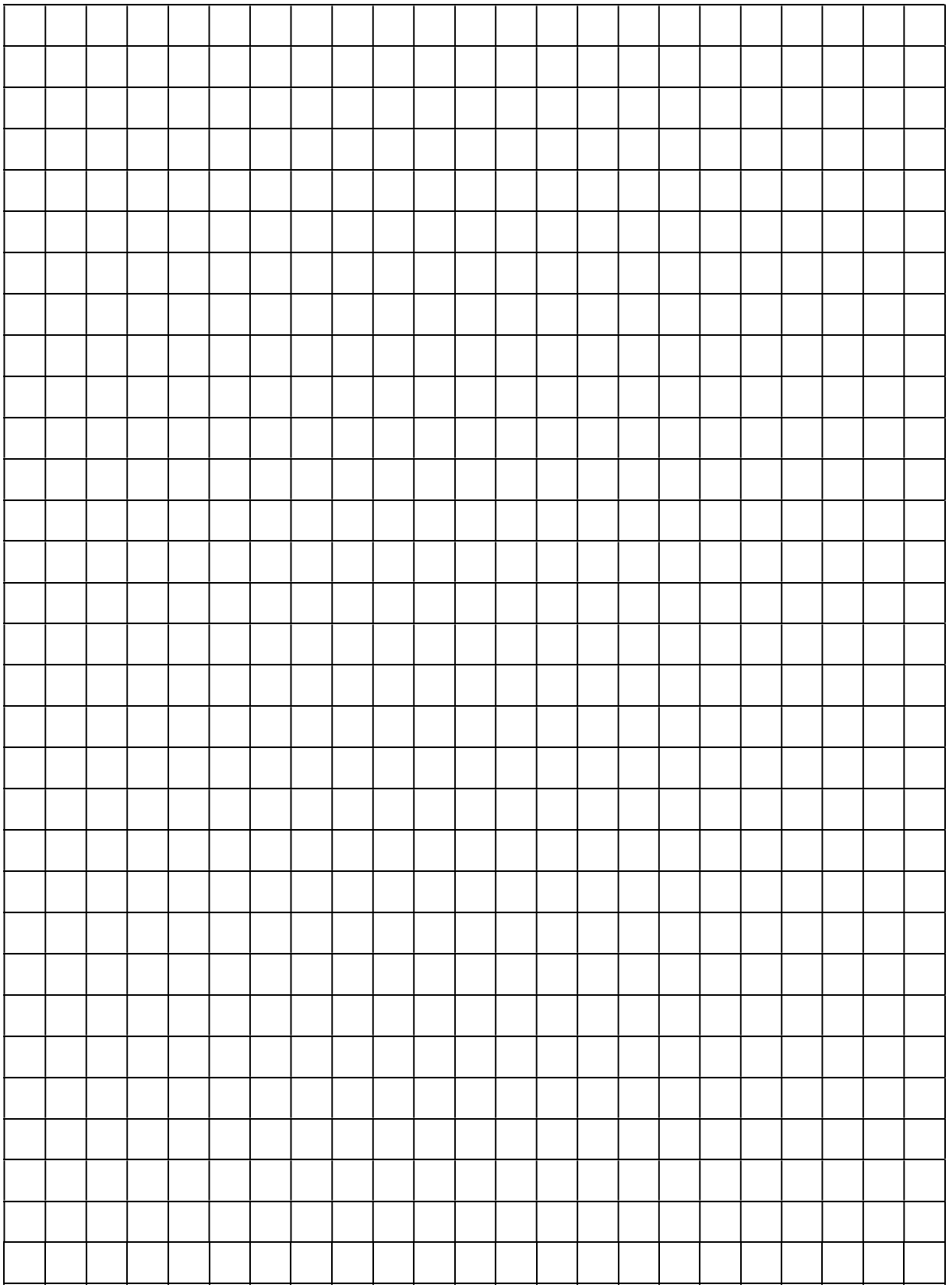
Part 9
Square Numbers



See the Patterns

Draw the square numbers: 1 x 1, 2 x 2, 3 x 3, 4 x 4, 5 x 5, 6 x 6, 7 x 7, 8 x 8, 9 x 9, 10 x 10, 11 x 11. Write the number sentence that goes with each square. (There is more graph paper at the end of this book.)





Highlight all the square numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130

Show What You Know

Highlight the math sentences that are true. (11 are true.)

0 x 0 = 0	1 x 1 = 1	2 x 2 = 4
3 x 3 = 9	4 x 4 = 16	5 x 5 = 25
6 x 6 = 36	7 x 7 = 49	8 x 8 = 64
9 x 9 = 81	10 x 10 = 100	11 x 11 = 111

Double and double again.

Double and keep on doubling as long as you can.

3 _____

5 _____

7 _____

9 _____

11 _____

Match.

a. 4 times a number? ____ number to the 10s place, 0 in the 1s place

b. 2 times a number? ____ double the number

c. 0 times a number? ____ read your hands

d. 10 times a number? ____ double and double again

e. 8 times a number? ____ always 0

f. 1 times a number? ____ double, double, double

g. 5 times a number? ____ same as the number

h. 9 times a number? ____ half of 10 times the number

Finish these number sentences.

Read your hands, or use another pattern. You choose.

9 x 0 = _____ 9 x 1 = _____ 9 x 2 = _____

9 x 3 = _____ 9 x 4 = _____ 9 x 5 = _____

9 x 6 = _____ 9 x 7 = _____ 9 x 8 = _____

9 x 9 = _____ 9 x 10 = _____

Use the patterns you know to find some answers in the 3 times table.

3 x 0 = _____ 3 x 1 = _____ 3 x 2 = _____

3 x 3 = _____ 3 x 4 = _____ 3 x 5 = _____

3 x 8 = _____ 3 x 9 = _____ 3 x 10 = _____

Use the patterns you know to find some answers in the 6 times table.

6 x 0 = _____ 6 x 1 = _____ 6 x 2 = _____

6 x 4 = _____ 6 x 5 = _____ 6 x 6 = _____

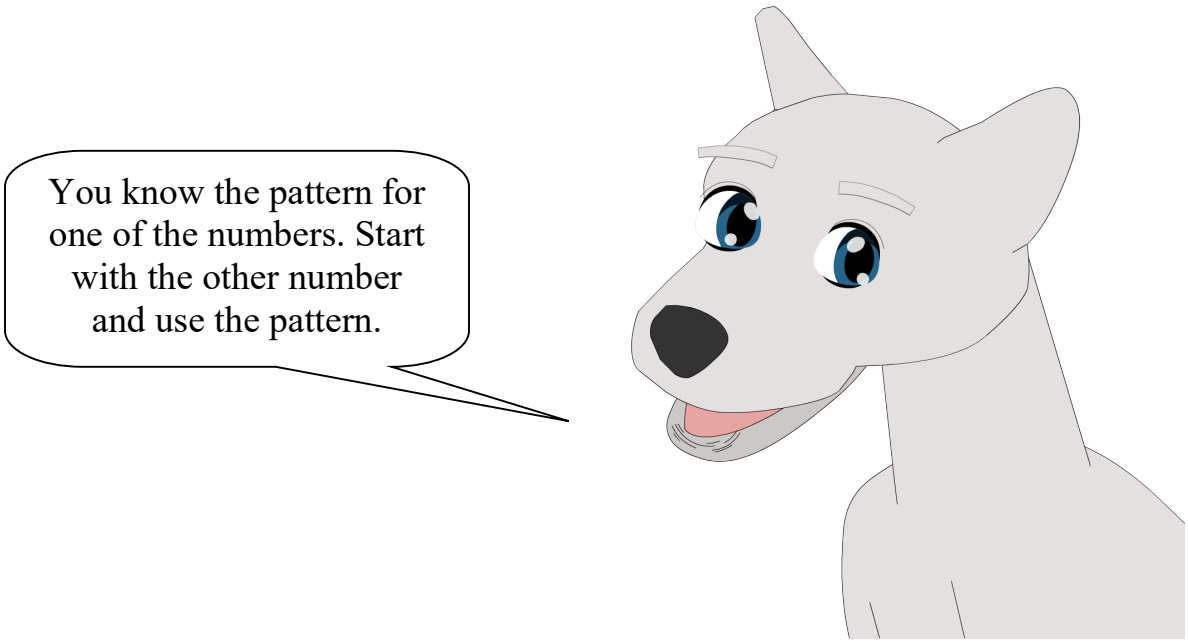
6 x 8 = _____ 6 x 9 = _____ 6 x 10 = _____

Use the patterns you know to find some answers in the 7 times table.

7 x 0 = _____ 7 x 1 = _____ 7 x 2 = _____

7 x 4 = _____ 7 x 5 = _____ 7 x 7 = _____

7 x 8 = _____ 7 x 9 = _____ 7 x 10 = _____



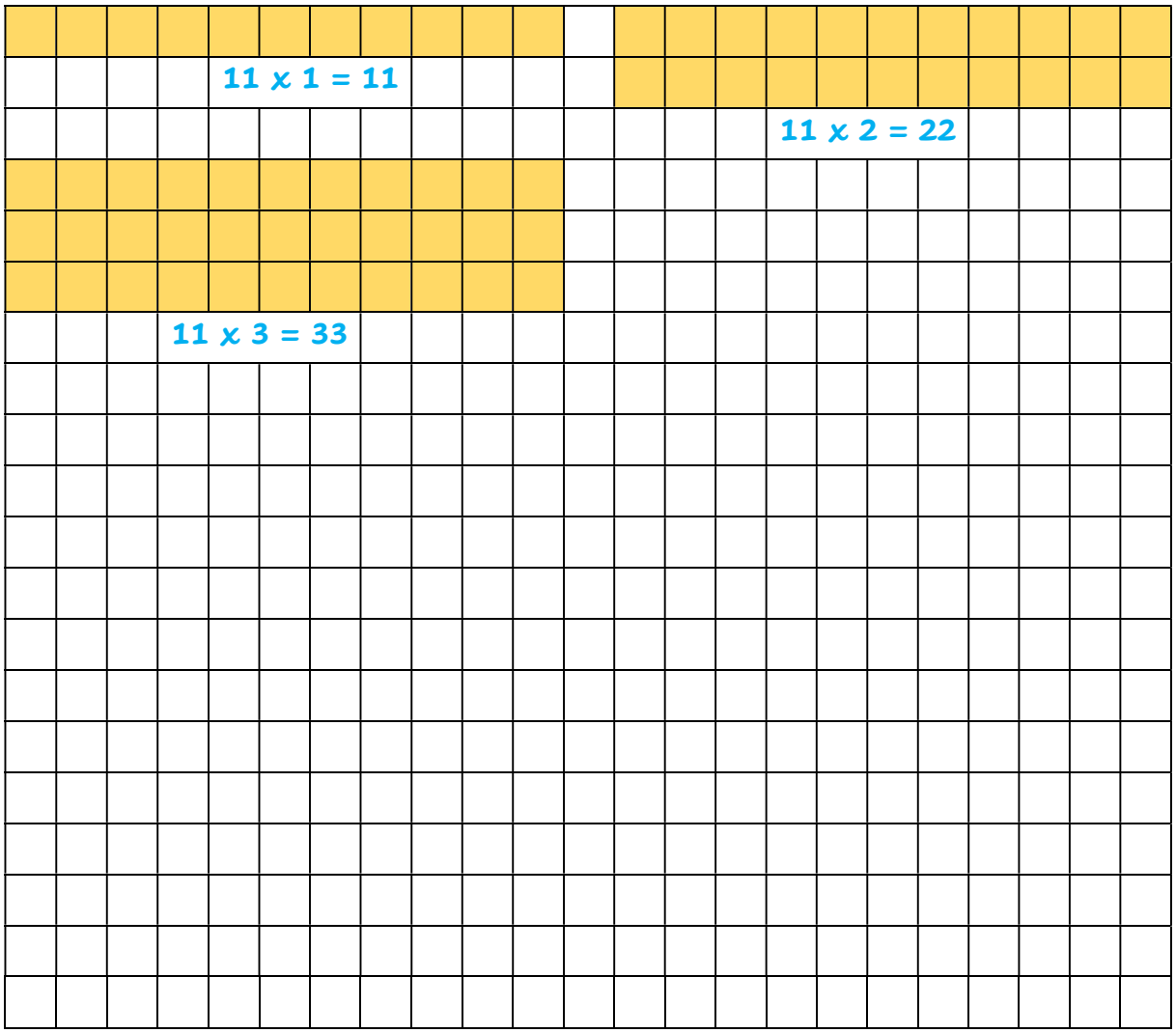
Fill in the white boxes in this chart. Start by writing the square numbers in the circles.

		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**	○											
Same as the number.	**1**		○										
Double the number!	**2**			○									
	3				○								
Double and double again.	**4**					○							
Half of 10 times the number.	**5**						○						
	6							○					
	7								○				
Double, double, double!	**8**									○			
Read your hands.	**9**										○		
Number to the 10s place, 0 in the 1s place.	**10**											○	
	11												○

Part 10
The 11 Times Table

See the Patterns

Multiples of 11: Use the graph paper to show some multiples of 11.
The first ones are done for you. Write a number sentence for each drawing. Your paper should show all these facts: 11 x 1, 11 x 2, 11 x 3, 11 x 4, 11 x 5, 11 x 6, 11 x 7, 11 x 8, 11 x 9, 11 x 10, and 11 x 11. (There is more graph paper at the end of this book.)



Skip count by 11. Highlight the multiples of 11.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	124	124	125	126	127	128	129	130

Highlight the math sentences that are true. (11 are true.)

11 x 3 = 33	11 x 5 = 55	11 x 9 = 100	11 x 4 = 44
11 x 8 = 88	11 x 2 = 22	11 x 6 = 66	11 x 1 = 11
11 x 7 = 77	11 x 10= 110	11 x 11 = 121	11 x 0 = 0

Highlight the square numbers.

1	2	3	4	6	8	9	10	15	16	20	22
25	29	30	33	36	39	44	48	49	52	55	64
72	75	80	81	84	90	95	100	110	120	121	125

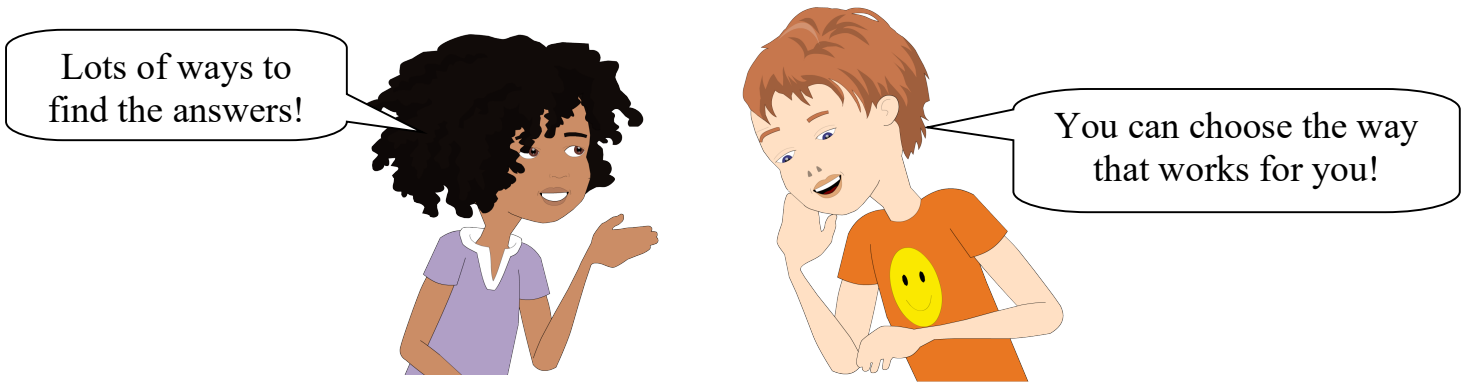
Show What You Know!

Match.

a. 4 times a number	____ number to the 10s place, 0 in the 1s place
b. 2 times a number	____ double the number
c. 11 times a number	____ double and double again
d. 0 times a number	____ read your hands
e. 10 times a number	____ half of 10 times the number
f. 8 times a number	____ always 0
g. 1 times a number	____ double, double, double
h. 5 times a number	____ same as the number
i. 9 times a number	____ for a 1-digit number, write the digit twice

Finish the number sentences.

9 x 4 = _____	8 x 4 = _____	5 x 4 = _____	11 x 4 = _____
9 x 5 = _____	8 x 5 = _____	5 x 5 = _____	11 x 5 = _____
9 x 10 = _____	8 x 10 = _____	5 x 10 = _____	11 x 10 = _____
9 x 8 = _____	8 x 8 = _____	5 x 8 = _____	11 x 8 = _____



Fill in the white boxes on this chart. Start by writing the square numbers in the circles. Then do the 11 times, then the rest.

		0	1	2	3	4	5	6	7	8	9	10	11
Always 0.	**0**	○											
Same as the number	**1**		○										
Double the number!	**2**			○									
	3				○								
Double and double again.	**4**					○							
Half of 10 times the number.	**5**						○						
	6							○					
	7								○				
Double, double, double!	**8**									○			
Read your hands.	**9**										○		
Number to the 10s place, 0 in the 1s place.	**10**											○	
For a 1-digit number, write the number twice.	**11**												○

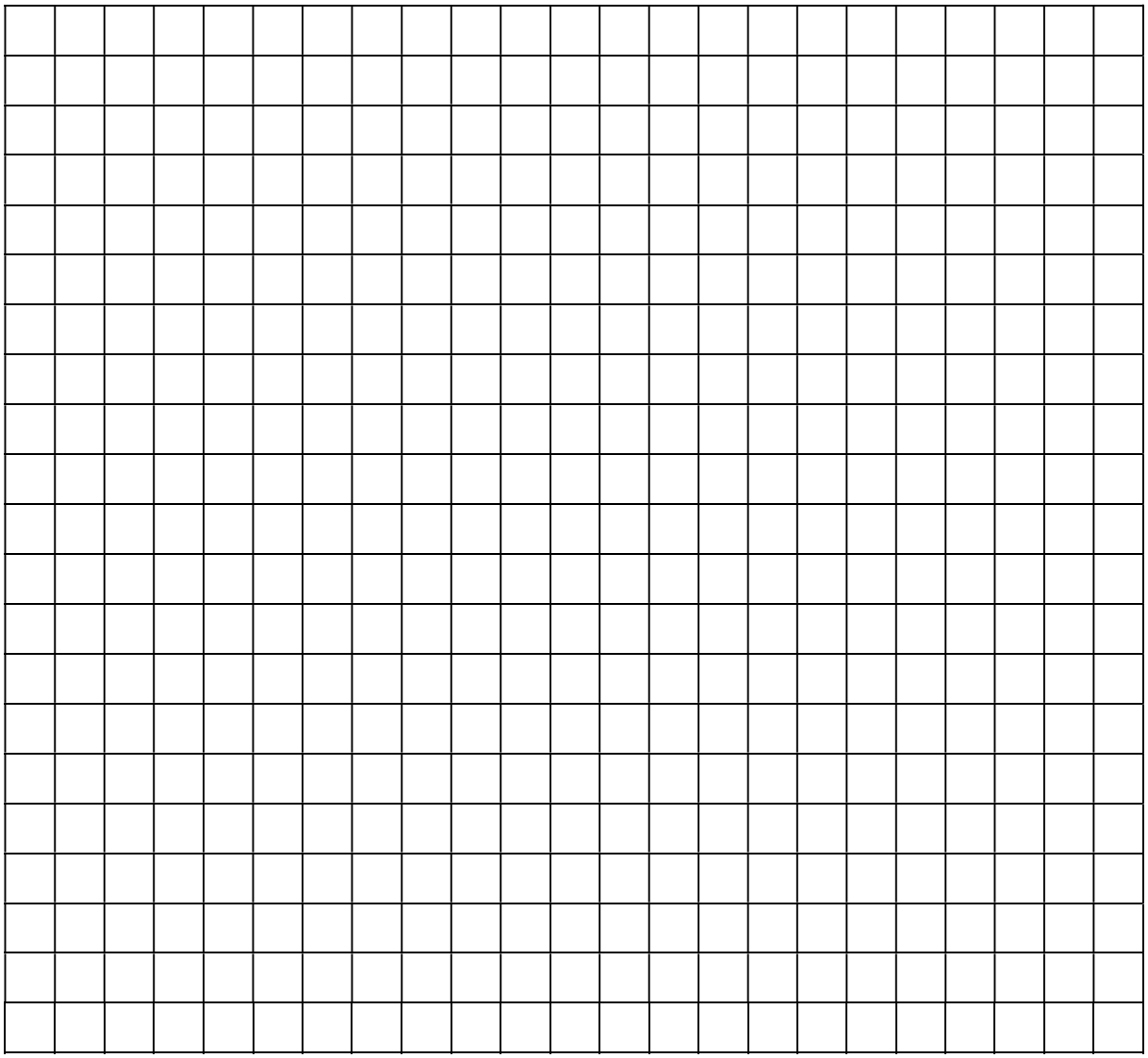
Part 11
Left-overs

See the Patterns

Draw the shapes of these number sentences on the graph paper.

3 x 6 = _____ 6 x 6 = _____

3 x 7 = _____ 6 x 7 = _____



Show What You Know!

Here is a times table all filled in. Use it to answer the questions below.

	0	1	2	3	4	5	6	7	8	9	10	11
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11
2	0	2	4	6	8	10	12	14	16	18	20	22
3	0	3	6	9	12	15	18	21	24	27	30	33
4	0	4	8	12	16	20	25	28	32	36	40	44
5	0	5	10	15	20	25	30	35	40	45	50	55
6	0	6	12	18	24	30	36	42	48	54	60	66
7	0	7	14	21	28	35	42	49	56	63	70	77
8	0	8	16	24	32	40	48	56	64	72	80	88
9	0	9	18	27	36	45	54	63	72	81	90	99
10	0	10	20	30	40	50	60	70	80	90	100	110
11	0	11	22	33	44	55	66	77	88	99	110	121

If you look for 0 on the chart you will find it 23 times. Why?

_____

Most numbers show up twice on the chart, but some show up 4 times. These numbers are 6, 8, 10, 12, 18, 20, 30, and 40. Write 2 different number sentences for each number that shows up 4 times. The first set is done for you.

6 = 2 x 3	6 = 1 x 6
8 = _____	8 = _____
10 = _____	10 = _____
12 = _____	12 = _____
18 = _____	18 = _____
20 = _____	20 = _____
30 = _____	30 = _____
40 = _____	40 = _____

Write the square numbers.

1 x 1 = _____	2 x 2 = _____	3 x 3 = _____
4 x 4 = _____	5 x 5 = _____	6 x 6 = _____
7 x 7 = _____	8 x 8 = _____	9 x 9 = _____
10 x 10 = _____	11 x 11 = _____	

When you multiply an odd number by an odd number, is the answer odd or even? _____ Give 6 examples from the chart.

_____ _____

_____ _____

_____ _____

When you multiply an even number by an odd number, is the answer odd or even? _____ Give 6 examples from the chart.

_____ _____

_____ _____

_____ _____

When you multiply an even number by an even number, is the answer odd or even? _____ Give 6 examples from the chart.

_____ _____

_____ _____

_____ _____

Match.

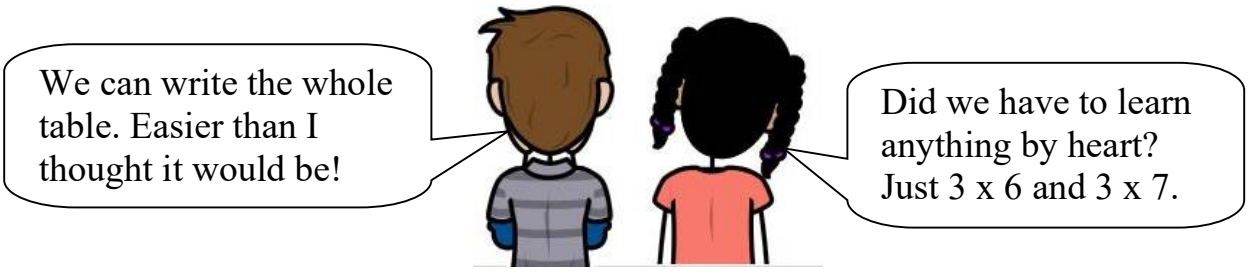
a. 4 times a number?	____ number to the 10s place, 0 in the 1s place
b. 2 times a number?	____ double the number
c. 11 times a number?	____ double and double again
d. 0 times a number?	____ read your hands
e. 10 times a number?	____ half of 10 times the number
f. 8 times a number?	____ always 0
g. 1 times a number?	____ double, double, double
h. 5 times a number ?	____ same as the number
i. 9 times a number?	____ for a 1-digit number, write the digit twice

Finish the number sentences.

9 x 5 = _____	9 x 9 = _____	9 x 4 = _____
8 x 3 = _____	8 x 7 = _____	8 x 10 = _____
4 x 8 = _____	4 x 6 = _____	4 x 7 = _____
5 x 5 = _____	5 x 7 = _____	5 x 6 = _____
6 x 3 = _____	6 x 7 = _____	6 x 6 = _____
10 x 0 = _____	10 x 2 = _____	11 x 3 = _____
7 x 7 = _____	3 x 3 = _____	10 x 10 = _____

Fill in the boxes on this chart. Highlight the square numbers.

	0	1	2	3	4	5	6	7	8	9	10	11
0												
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												



Use this graph paper whenever you need it.