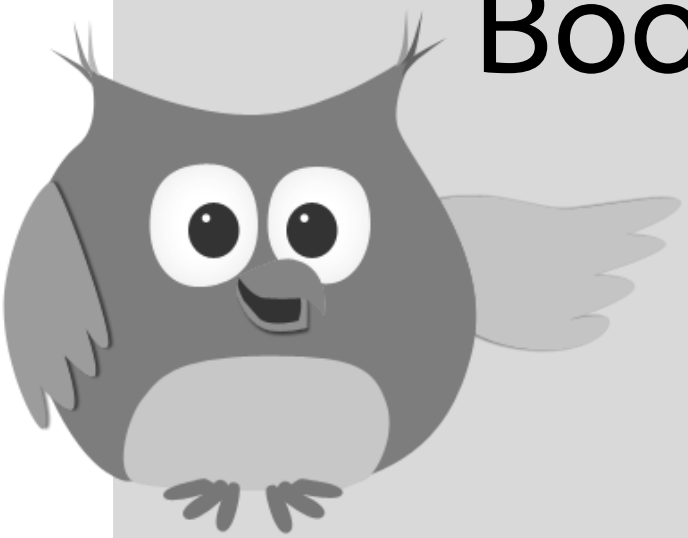
Scheme B

Times Tables Booklet



x 9

Name: _____

Class: _____

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Contents

Question Section	1 to 6 x 9		7 to 12 x 9		9 to 54 ÷ 9	63 to 108 ÷ 9	Greater Depth
	? x 9	9 x ?	? x 9	9 x ?	? ÷ 9	? ÷ 9	
1a, 2a, 3a, 4a	✓						
1b, 2b, 3b, 4b			✓				
1c, 2c, 3c, 4c					✓		
1d, 2d, 3d, 4d						✓	
5a, 6a, 7a, 8a	✓	✓					
5b, 6b, 7b, 8b			✓	✓			
5c, 6c, 7c, 8c					✓		
5d, 6d, 7d, 8d						✓	
9, 10, 11, 12	✓	✓	✓	✓	✓	✓	
13							✓ x9 Word Problems
14							✓ x9, ÷9 Word Problems
15							✓ Beyond the Times Tables Associative Law Tables x10, x100
16							✓ Beyond the Times Tables Distributive Law

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Name: _____ Class: _____

1a

1 x 9 = ___	5 x 9 = ___	2 x 9 = ___	4 x 9 = ___
3 x 9 = ___	6 x 9 = ___	1 x 9 = ___	5 x 9 = ___
4 x 9 = ___	2 x 9 = ___	3 x 9 = ___	6 x 9 = ___

Total

1b

10 x 9 = ___	8 x 9 = ___	11 x 9 = ___	9 x 9 = ___
11 x 9 = ___	12 x 9 = ___	10 x 9 = ___	7 x 9 = ___
8 x 9 = ___	9 x 9 = ___	7 x 9 = ___	12 x 9 = ___

Total

1c

45 ÷ 9 = ___	9 ÷ 9 = ___	27 ÷ 9 = ___	54 ÷ 9 = ___
18 ÷ 9 = ___	36 ÷ 9 = ___	45 ÷ 9 = ___	9 ÷ 9 = ___
27 ÷ 9 = ___	54 ÷ 9 = ___	36 ÷ 9 = ___	18 ÷ 9 = ___

Total

1d

90 ÷ 9 = ___	72 ÷ 9 = ___	81 ÷ 9 = ___	63 ÷ 9 = ___
99 ÷ 9 = ___	108 ÷ 9 = ___	99 ÷ 9 = ___	72 ÷ 9 = ___
81 ÷ 9 = ___	63 ÷ 9 = ___	90 ÷ 9 = ___	108 ÷ 9 = ___

Total

Total

Total

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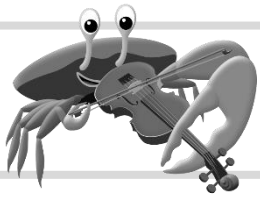
Name: _____ Class: _____

2a

2 x 9 = ___	3 x 9 = ___	1 x 9 = ___	5 x 9 = ___
6 x 9 = ___	4 x 9 = ___	2 x 9 = ___	6 x 9 = ___
1 x 9 = ___	5 x 9 = ___	3 x 9 = ___	4 x 9 = ___

Total



2b

8 x 9 = ___	10 x 9 = ___	9 x 9 = ___	11 x 9 = ___
12 x 9 = ___	7 x 9 = ___	11 x 9 = ___	10 x 9 = ___
9 x 9 = ___	8 x 9 = ___	12 x 9 = ___	7 x 9 = ___

Total

2c

18 ÷ 9 = ___	45 ÷ 9 = ___	9 ÷ 9 = ___	36 ÷ 9 = ___
54 ÷ 9 = ___	27 ÷ 9 = ___	18 ÷ 9 = ___	45 ÷ 9 = ___
9 ÷ 9 = ___	36 ÷ 9 = ___	54 ÷ 9 = ___	27 ÷ 9 = ___

Total

2d

99 ÷ 9 = ___	72 ÷ 9 = ___	90 ÷ 9 = ___	63 ÷ 9 = ___
108 ÷ 9 = ___	81 ÷ 9 = ___	72 ÷ 9 = ___	90 ÷ 9 = ___
63 ÷ 9 = ___	99 ÷ 9 = ___	108 ÷ 9 = ___	81 ÷ 9 = ___

Total

Total

Total

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Name: _____ Class: _____

3a

5 x 9 = ___	3 x 9 = ___	1 x 9 = ___	4 x 9 = ___
2 x 9 = ___	6 x 9 = ___	4 x 9 = ___	2 x 9 = ___
6 x 9 = ___	5 x 9 = ___	1 x 9 = ___	3 x 9 = ___

Total

3b

11 x 9 = ___	9 x 9 = ___	10 x 9 = ___	12 x 9 = ___
7 x 9 = ___	8 x 9 = ___	12 x 9 = ___	9 x 9 = ___
8 x 9 = ___	10 x 9 = ___	7 x 9 = ___	11 x 9 = ___

Total

3c

9 ÷ 9 = ___	36 ÷ 9 = ___	18 ÷ 9 = ___	54 ÷ 9 = ___
27 ÷ 9 = ___	45 ÷ 9 = ___	27 ÷ 9 = ___	18 ÷ 9 = ___
9 ÷ 9 = ___	36 ÷ 9 = ___	45 ÷ 9 = ___	54 ÷ 9 = ___

Total

3d

72 ÷ 9 = ___	90 ÷ 9 = ___	63 ÷ 9 = ___	99 ÷ 9 = ___
81 ÷ 9 = ___	63 ÷ 9 = ___	108 ÷ 9 = ___	90 ÷ 9 = ___
99 ÷ 9 = ___	108 ÷ 9 = ___	72 ÷ 9 = ___	81 ÷ 9 = ___

Total

Total

Total

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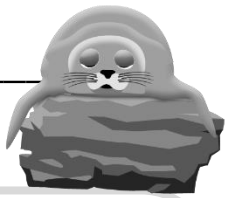
Name: _____ Class: _____



4a

4 x 9 = ___	1 x 9 = ___	3 x 9 = ___	5 x 9 = ___
6 x 9 = ___	2 x 9 = ___	5 x 9 = ___	1 x 9 = ___
2 x 9 = ___	6 x 9 = ___	4 x 9 = ___	3 x 9 = ___

Total

4b

10 x 9 = ___	8 x 9 = ___	11 x 9 = ___	9 x 9 = ___
11 x 9 = ___	12 x 9 = ___	10 x 9 = ___	7 x 9 = ___
9 x 9 = ___	7 x 9 = ___	8 x 9 = ___	12 x 9 = ___

Total

4c

27 ÷ 9 = ___	45 ÷ 9 = ___	9 ÷ 9 = ___	36 ÷ 9 = ___
18 ÷ 9 = ___	54 ÷ 9 = ___	27 ÷ 9 = ___	45 ÷ 9 = ___
54 ÷ 9 = ___	9 ÷ 9 = ___	36 ÷ 9 = ___	18 ÷ 9 = ___

Total

4d

81 ÷ 9 = ___	90 ÷ 9 = ___	63 ÷ 9 = ___	99 ÷ 9 = ___
108 ÷ 9 = ___	72 ÷ 9 = ___	81 ÷ 9 = ___	63 ÷ 9 = ___
90 ÷ 9 = ___	108 ÷ 9 = ___	99 ÷ 9 = ___	72 ÷ 9 = ___

Total

Total

Total

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Name: _____ Class: _____

5a

1 x 9 = ___	9 x 2 = ___	3 x 9 = ___	9 x 4 = ___
9 x 5 = ___	6 x 9 = ___	9 x 1 = ___	5 x 9 = ___
4 x 9 = ___	2 x 9 = ___	9 x 6 = ___	9 x 3 = ___

Total

5b

9 x 10 = ___	11 x 9 = ___	8 x 9 = ___	7 x 9 = ___
12 x 9 = ___	9 x 9 = ___	10 x 9 = ___	9 x 11 = ___
9 x 7 = ___	9 x 8 = ___	9 x 12 = ___	9 x 9 = ___

Total

5c

18 ÷ 9 = ___	45 ÷ 9 = ___	27 ÷ 9 = ___	54 ÷ 9 = ___
9 ÷ 9 = ___	36 ÷ 9 = ___	45 ÷ 9 = ___	36 ÷ 9 = ___
27 ÷ 9 = ___	54 ÷ 9 = ___	9 ÷ 9 = ___	18 ÷ 9 = ___

Total

5d

90 ÷ 9 = ___	72 ÷ 9 = ___	81 ÷ 9 = ___	99 ÷ 9 = ___
63 ÷ 9 = ___	108 ÷ 9 = ___	72 ÷ 9 = ___	63 ÷ 9 = ___
81 ÷ 9 = ___	99 ÷ 9 = ___	90 ÷ 9 = ___	108 ÷ 9 = ___

Total

Total

Total

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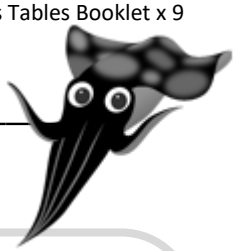


Name: _____ Class: _____

6a

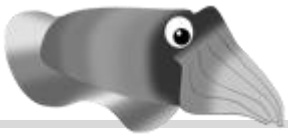
9 x 2 = ___	3 x 9 = ___	9 x 5 = ___	1 x 9 = ___
4 x 9 = ___	9 x 6 = ___	9 x 3 = ___	5 x 9 = ___
9 x 1 = ___	5 x 9 = ___	2 x 9 = ___	9 x 4 = ___

Total

6b

9 x 9 = ___	9 x 11 = ___	7 x 9 = ___	9 x 10 = ___
12 x 9 = ___	8 x 9 = ___	10 x 9 = ___	11 x 9 = ___
9 x 7 = ___	9 x 12 = ___	9 x 9 = ___	9 x 8 = ___

Total



6c

27 ÷ 9 = ___	9 ÷ 9 = ___	36 ÷ 9 = ___	18 ÷ 9 = ___
45 ÷ 9 = ___	54 ÷ 9 = ___	9 ÷ 9 = ___	27 ÷ 9 = ___
36 ÷ 9 = ___	18 ÷ 9 = ___	45 ÷ 9 = ___	54 ÷ 9 = ___

Total

6d

72 ÷ 9 = ___	99 ÷ 9 = ___	63 ÷ 9 = ___	81 ÷ 9 = ___
90 ÷ 9 = ___	108 ÷ 9 = ___	81 ÷ 9 = ___	72 ÷ 9 = ___
63 ÷ 9 = ___	90 ÷ 9 = ___	99 ÷ 9 = ___	108 ÷ 9 = ___

Total

Total

Total

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Name: _____ Class: _____

7a

9 x 5 = ___	2 x 9 = ___	9 x 3 = ___	1 x 9 = ___
6 x 9 = ___	9 x 4 = ___	5 x 9 = ___	3 x 9 = ___
9 x 2 = ___	9 x 6 = ___	9 x 1 = ___	4 x 9 = ___

Total

7b

10 x 9 = ___	9 x 11 = ___	7 x 9 = ___	8 x 9 = ___
9 x 9 = ___	12 x 9 = ___	9 x 10 = ___	11 x 9 = ___
9 x 8 = ___	9 x 7 = ___	9 x 12 = ___	9 x 9 = ___

Total

7c

9 ÷ 9 = ___	27 ÷ 9 = ___	18 ÷ 9 = ___	36 ÷ 9 = ___
54 ÷ 9 = ___	45 ÷ 9 = ___	9 ÷ 9 = ___	27 ÷ 9 = ___
18 ÷ 9 = ___	54 ÷ 9 = ___	36 ÷ 9 = ___	45 ÷ 9 = ___

Total

7d

99 ÷ 9 = ___	63 ÷ 9 = ___	81 ÷ 9 = ___	72 ÷ 9 = ___
108 ÷ 9 = ___	90 ÷ 9 = ___	99 ÷ 9 = ___	63 ÷ 9 = ___
81 ÷ 9 = ___	72 ÷ 9 = ___	90 ÷ 9 = ___	108 ÷ 9 = ___

Total

Total

Total

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Name: _____ Class: _____

8a

9 x 1 = ___	4 x 9 = ___	9 x 3 = ___	5 x 9 = ___
3 x 9 = ___	9 x 6 = ___	9 x 4 = ___	1 x 9 = ___
2 x 9 = ___	9 x 5 = ___	6 x 9 = ___	9 x 2 = ___

Total

8b

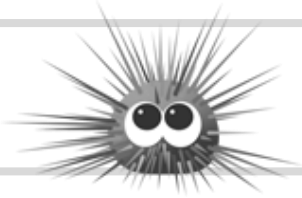
9 x 11 = ___	9 x 8 = ___	9 x 7 = ___	10 x 9 = ___
9 x 9 = ___	9 x 12 = ___	11 x 9 = ___	9 x 9 = ___
7 x 9 = ___	9 x 10 = ___	12 x 9 = ___	8 x 9 = ___

Total

8c

45 ÷ 9 = ___	9 ÷ 9 = ___	27 ÷ 9 = ___	54 ÷ 9 = ___
18 ÷ 9 = ___	36 ÷ 9 = ___	45 ÷ 9 = ___	9 ÷ 9 = ___
27 ÷ 9 = ___	54 ÷ 9 = ___	36 ÷ 9 = ___	18 ÷ 9 = ___

Total



8d

90 ÷ 9 = ___	72 ÷ 9 = ___	81 ÷ 9 = ___	63 ÷ 9 = ___
99 ÷ 9 = ___	108 ÷ 9 = ___	99 ÷ 9 = ___	72 ÷ 9 = ___
81 ÷ 9 = ___	63 ÷ 9 = ___	90 ÷ 9 = ___	108 ÷ 9 = ___

Total

Total

Total

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Name: _____ Class: _____

9

1 x 9 = ___	9 x 5 = ___	18 ÷ 9 = ___	6 x 9 = ___
9 x 3 = ___	9 x 10 = ___	4 x 9 = ___	9 x 2 = ___
36 ÷ 9 = ___	9 x 9 = ___	9 x 11 = ___	45 ÷ 9 = ___
7 x 9 = ___	9 x 8 = ___	90 ÷ 9 = ___	3 x 9 = ___
54 ÷ 9 = ___	12 x 9 = ___	72 ÷ 9 = ___	5 x 9 = ___
9 x 6 = ___	27 ÷ 9 = ___	10 x 9 = ___	8 x 9 = ___
11 x 9 = ___	9 x 7 = ___	99 ÷ 9 = ___	2 x 9 = ___
81 ÷ 9 = ___	63 ÷ 9 = ___	9 x 12 = ___	9 x 4 = ___

Total

10

9 x 10 = ___	2 x 9 = ___	5 x 9 = ___	45 ÷ 9 = ___
18 ÷ 9 = ___	9 x 1 = ___	9 x 9 = ___	9 x 4 = ___
9 x 5 = ___	72 ÷ 9 = ___	3 x 9 = ___	10 x 9 = ___
11 x 9 = ___	9 x 2 = ___	8 x 9 = ___	27 ÷ 9 = ___
90 ÷ 9 = ___	4 x 9 = ___	9 x 7 = ___	12 x 9 = ___
9 x 6 = ___	99 ÷ 9 = ___	63 ÷ 9 = ___	9 x 3 = ___
7 x 9 = ___	9 x 11 = ___	36 ÷ 9 = ___	9 x 8 = ___
54 ÷ 9 = ___	6 x 9 = ___	9 x 12 = ___	81 ÷ 9 = ___

Total

Total

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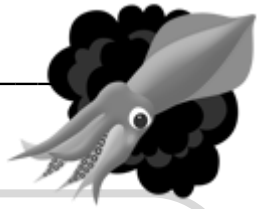
Name: _____ Class: _____



11

5 x 9 = ___	9 x 2 = ___	9 x 10 = ___	90 ÷ 9 = ___
9 x 9 = ___	9 x 3 = ___	36 ÷ 9 = ___	9 x 4 = ___
9 x 5 = ___	18 ÷ 9 = ___	9 x 6 = ___	3 x 9 = ___
45 ÷ 9 = ___	2 x 9 = ___	9 x 11 = ___	72 ÷ 9 = ___
4 x 9 = ___	27 ÷ 9 = ___	8 x 9 = ___	7 x 9 = ___
10 x 9 = ___	9 x 12 = ___	54 ÷ 9 = ___	11 x 9 = ___
81 ÷ 9 = ___	6 x 9 = ___	99 ÷ 9 = ___	1 x 9 = ___
9 x 8 = ___	9 x 7 = ___	12 x 9 = ___	9 x 4 = ___

Total

12

2 x 9 = ___	9 x 10 = ___	9 x 9 = ___	36 ÷ 9 = ___
9 x 11 = ___	5 x 9 = ___	90 ÷ 9 = ___	9 x 5 = ___
18 ÷ 9 = ___	3 x 9 = ___	9 x 4 = ___	9 x 8 = ___
6 x 9 = ___	45 ÷ 9 = ___	9 x 2 = ___	11 x 9 = ___
8 x 9 = ___	4 x 9 = ___	9 x 12 = ___	27 ÷ 9 = ___
72 ÷ 9 = ___	9 x 1 = ___	7 x 9 = ___	9 x 6 = ___
9 x 3 = ___	10 x 9 = ___	54 ÷ 9 = ___	99 ÷ 9 = ___
9 x 7 = ___	12 x 9 = ___	81 ÷ 9 = ___	63 ÷ 9 = ___

Total

Total

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Name: _____ Class: _____

13

x9 Word Problems

1. How many ears do nine rabbits have altogether? _____

2. There are four tables. Each table has nine cups on it. How many cups are there altogether? _____

3. Fatima cooks three fish fingers for each of the children at a party. There are nine children. How many fish fingers does Fatima cook altogether? _____

4. How many fingers are there altogether? _____

5. Ben stacks 10 wooden blocks to make a tower. The blocks are all 9cm high. How high is the tower? _____

6. A paperclip is made from 9cm of wire. How many centimetres of wire are needed to make nine paperclips? _____

7.

There are nine football cards in each pack. Ben buys 12 packs. How many cards does he buy altogether? _____

8. Joe calls six friends on the phone. He speaks to each friend for nine minutes. How many minutes was Joe on the phone for altogether? _____

9.

There are seven bags of sweets. Each bag contains nine sweets. How many sweets are there altogether? _____

10. The school library has eight bookshelves. Each bookshelf has nine shelves. How many shelves are there altogether? _____

Total

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Name: _____ Class: _____

x9 Word Problems

14

1. Iva and Freddy have both grown a plant. Iva's plant is 18cm tall and is nine times taller than Freddy's plant. How high is Freddy's plant? _____

2. Five friends earn £45 between them sweeping leaves up for their neighbours. If they share the money equally, how much do they each get? _____

3. A tricycle has three wheels. How many wheels are there on nine tricycles altogether? _____

4. The are 36 chocolates in a box. The chocolates are shared equally between nine friends. How many chocolates does each friend get? _____

5. A café has eleven tables. At each table are nine chairs. How many customers can sit down in the café? _____

6. Joe needs to use a bucket to fill a water tank with 108 litres of water. The bucket holds 9 litres of water. How many buckets full of water are needed to fill the tank? _____

7.

There are nine balloons in each pack. Nadia buys seven packs. How many balloons does she have altogether? _____

8. Jay and Sue are picking up litter. Jay has picked up 81 pieces of litter. He has picked up nine times as many pieces as his friend Lola. How many pieces of litter has Lola picked up? _____

9. The sports teacher asks 54 children to get into nine equal groups. How many children are in each group? _____

10. Mary has 72cm of ribbon to make bows with. 9cm of ribbon is needed to make a bow. How many bows can Mary make? _____

Total

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Name: _____ Class: _____

x9 Associative Law Problems with Multiples of 10 or 100

15

Problems including number facts in the times table where one of the numbers is multiplied by 10 or 100 can be solved by breaking the larger numbers into smaller numbers that are in the times tables. Below shows an example.

20×9 is the same as $2 \times 10 \times 9$ which is the same as $10 \times 2 \times 9$

This is true because 2×10 is the same as 10×2. See this array of dog bones.

Now calculate the result of $10 \times 2 \times 9$ by first multiplying 2×9 to leave 10×18. The final answer is $10 \times 18 = 180$.

1. 30 x 9 = ____ same as ____ x ____ x 9 same as ____ x ____ x 9
2. 50 x 9 = ____ same as ____ x ____ x 9 same as ____ x ____ x 9
3. 40 x 9 = ____ same as ____ x ____ x 9 same as ____ x ____ x 9
4. 60 x 9 = ____ same as ____ x ____ x 9 same as ____ x ____ x 9
5. 80 x 9 = ____ same as ____ x ____ x 9 same as ____ x ____ x 9
6. 90 x 9 = ____
7. 70 x 9 = ____
8. 200 x 9 = ____
9. 500 x 9 = ____
10. 900 x 9 = ____

Total

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Name: _____ Class: _____

x9 Distributive Law Problems

16

Problems including numbers larger than the times tables can be solved by breaking those large numbers into smaller number that are in the times tables. Below shows an example.

21×9 is the same as $(10 + 11) \times 9$ which is the same as $10 \times 9 + 11 \times 9$

Remember that the multiplications are done before the addition.

Now add the result of $10 \times 9 = 90$ to the result of $11 \times 9 = 99$, both from the times tables. The final answer is $90 + 99 = 189$.

1. 13 x 9 = ____ same as (____ + ____) x 9 same as ____ x 9 + ____ x 9
2. 15 x 9 = ____ same as (____ + ____) x 9 same as ____ x 9 + ____ x 9
3. 19 x 9 = ____ same as (____ + ____) x 9 same as ____ x 9 + ____ x 9
4. 14 x 9 = ____ same as (____ + ____) x 9 same as ____ x 9 + ____ x 9
5. 16 x 9 = ____ same as (____ + ____) x 9 same as ____ x 9 + ____ x 9
6. 18 x 9 = ____
7. 17 x 9 = ____
8. 22 x 9 = ____
9. 23 x 9 = ____
10. 24 x 9 = ____

Total

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