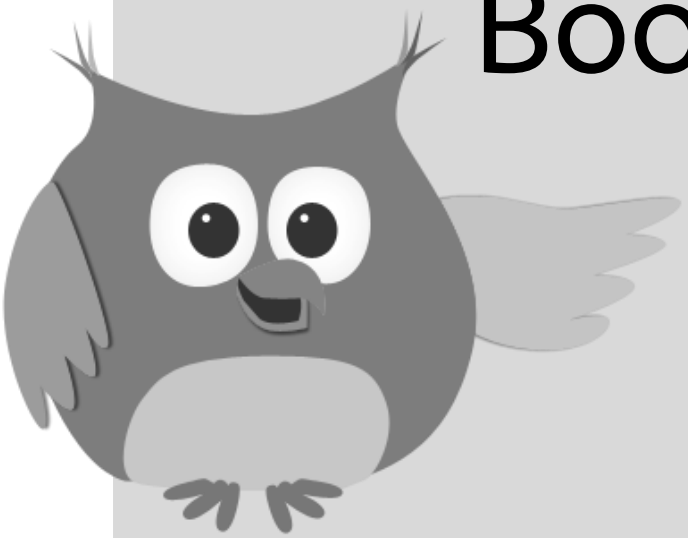
Scheme A

Times Tables Booklet



x6

Name: _____

Class: _____

Contents

Question Section	1 to 5 x 6		6 to 9 x 6		6 to 30 ÷ 6	36 to 54 ÷ 6	Greater Depth
	? x 6	6 x ?	? x 6	6 x ?	? ÷ 6	? ÷ 6	
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							✓ x6 Word Problems
14							✓ x6, ÷6 Word Problems
15							✓ Beyond the Times Tables Associative Law Tables x10, x100
16							✓ Beyond the Times Tables Distributive Law

Name: _____ Class: _____

1a

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

Total

1b

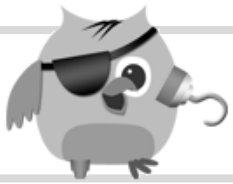
6 x 6 = ___	7 x 6 = ___	8 x 6 = ___	9 x 6 = ___
7 x 6 = ___	9 x 6 = ___	6 x 6 = ___	8 x 6 = ___
8 x 6 = ___	9 x 6 = ___	7 x 6 = ___	6 x 6 = ___

Total

1c

30 ÷ 6 = ___	6 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___
18 ÷ 6 = ___	24 ÷ 6 = ___	30 ÷ 6 = ___	6 ÷ 6 = ___
12 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___	12 ÷ 6 = ___

Total



1d

36 ÷ 6 = ___	42 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___
42 ÷ 6 = ___	36 ÷ 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___
54 ÷ 6 = ___	48 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

2a

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

Total

2b

7 x 6 = ___	8 x 6 = ___	9 x 6 = ___	6 x 6 = ___
8 x 6 = ___	6 x 6 = ___	7 x 6 = ___	9 x 6 = ___
6 x 6 = ___	7 x 6 = ___	9 x 6 = ___	8 x 6 = ___

Total

2c

12 ÷ 6 = ___	30 ÷ 6 = ___	6 ÷ 6 = ___	18 ÷ 6 = ___
24 ÷ 6 = ___	18 ÷ 6 = ___	12 ÷ 6 = ___	30 ÷ 6 = ___
6 ÷ 6 = ___	24 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___

Total

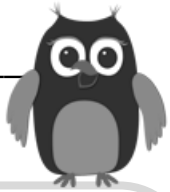
2d

36 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___
54 ÷ 6 = ___	48 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___
42 ÷ 6 = ___	36 ÷ 6 = ___	42 ÷ 6 = ___	48 ÷ 6 = ___

Total

Total

Total



Name: _____ Class: _____

3a

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

Total

3b

6 x 6 = ___	9 x 6 = ___	8 x 6 = ___	7 x 6 = ___
8 x 6 = ___	7 x 6 = ___	6 x 6 = ___	9 x 6 = ___
7 x 6 = ___	6 x 6 = ___	8 x 6 = ___	9 x 6 = ___

Total

3c

6 ÷ 6 = ___	24 ÷ 6 = ___	12 ÷ 6 = ___	24 ÷ 6 = ___
18 ÷ 6 = ___	30 ÷ 6 = ___	18 ÷ 6 = ___	12 ÷ 6 = ___
6 ÷ 6 = ___	24 ÷ 6 = ___	30 ÷ 6 = ___	18 ÷ 6 = ___

Total

3d

42 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___	36 ÷ 6 = ___
48 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___	42 ÷ 6 = ___
36 ÷ 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___	54 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

4a

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

Total

4b

6 x 6 = ___	9 x 6 = ___	7 x 6 = ___	9 x 6 = ___
7 x 6 = ___	8 x 6 = ___	6 x 6 = ___	8 x 6 = ___
8 x 6 = ___	9 x 6 = ___	7 x 6 = ___	6 x 6 = ___

Total

4c

18 ÷ 6 = ___	30 ÷ 6 = ___	6 ÷ 6 = ___	24 ÷ 6 = ___
12 ÷ 6 = ___	24 ÷ 6 = ___	18 ÷ 6 = ___	30 ÷ 6 = ___
18 ÷ 6 = ___	6 ÷ 6 = ___	24 ÷ 6 = ___	12 ÷ 6 = ___

Total

4d

54 ÷ 6 = ___	36 ÷ 6 = ___	42 ÷ 6 = ___	48 ÷ 6 = ___
42 ÷ 6 = ___	48 ÷ 6 = ___	54 ÷ 6 = ___	42 ÷ 6 = ___
36 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___	48 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

5a

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

Total

5b

6 x 6 = ___	7 x 6 = ___	6 x 9 = ___	6 x 8 = ___
9 x 6 = ___	6 x 7 = ___	6 x 6 = ___	8 x 6 = ___
6 x 8 = ___	9 x 6 = ___	6 x 6 = ___	7 x 6 = ___

Total

5c

12 ÷ 6 = ___	30 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___
6 ÷ 6 = ___	24 ÷ 6 = ___	30 ÷ 6 = ___	18 ÷ 6 = ___
24 ÷ 6 = ___	18 ÷ 6 = ___	6 ÷ 6 = ___	12 ÷ 6 = ___

Total

5d

36 ÷ 6 = ___	48 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___
42 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___
54 ÷ 6 = ___	42 ÷ 6 = ___	36 ÷ 6 = ___	48 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

6a

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

Total

6b

6 x 7 = ___	6 x 6 = ___	6 x 8 = ___	6 x 6 = ___
6 x 9 = ___	6 x 8 = ___	6 x 6 = ___	7 x 6 = ___
8 x 6 = ___	6 x 9 = ___	7 x 6 = ___	9 x 6 = ___

Total

6c

18 ÷ 6 = ___	6 ÷ 6 = ___	24 ÷ 6 = ___	12 ÷ 6 = ___
30 ÷ 6 = ___	18 ÷ 6 = ___	6 ÷ 6 = ___	18 ÷ 6 = ___
24 ÷ 6 = ___	12 ÷ 6 = ___	30 ÷ 6 = ___	24 ÷ 6 = ___

Total

6d

48 ÷ 6 = ___	36 ÷ 6 = ___	42 ÷ 6 = ___	54 ÷ 6 = ___
36 ÷ 6 = ___	42 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___
42 ÷ 6 = ___	36 ÷ 6 = ___	48 ÷ 6 = ___	54 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

7a

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

Total

7b

6 x 6 = ___	6 x 7 = ___	6 x 8 = ___	6 x 9 = ___
7 x 6 = ___	6 x 6 = ___	6 x 7 = ___	8 x 6 = ___
9 x 6 = ___	8 x 6 = ___	6 x 9 = ___	6 x 6 = ___

Total

7c

6 ÷ 6 = ___	18 ÷ 6 = ___	12 ÷ 6 = ___	24 ÷ 6 = ___
30 ÷ 6 = ___	24 ÷ 6 = ___	6 ÷ 6 = ___	18 ÷ 6 = ___
12 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___	30 ÷ 6 = ___

Total

7d

36 ÷ 6 = ___	42 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___
42 ÷ 6 = ___	36 ÷ 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___
54 ÷ 6 = ___	48 ÷ 6 = ___	36 ÷ 6 = ___	54 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

8a

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

Total

8b

6 x 6 = ___	9 x 6 = ___	8 x 6 = ___	6 x 6 = ___
6 x 7 = ___	6 x 8 = ___	6 x 6 = ___	7 x 6 = ___
6 x 8 = ___	6 x 6 = ___	6 x 7 = ___	6 x 9 = ___

Total

8c

30 ÷ 6 = ___	6 ÷ 6 = ___	18 ÷ 6 = ___	24 ÷ 6 = ___
12 ÷ 6 = ___	24 ÷ 6 = ___	30 ÷ 6 = ___	6 ÷ 6 = ___
18 ÷ 6 = ___	12 ÷ 6 = ___	24 ÷ 6 = ___	18 ÷ 6 = ___

Total

8d

48 ÷ 6 = ___	36 ÷ 6 = ___	54 ÷ 6 = ___	48 ÷ 6 = ___
42 ÷ 6 = ___	54 ÷ 6 = ___	36 ÷ 6 = ___	42 ÷ 6 = ___
54 ÷ 6 = ___	42 ÷ 6 = ___	48 ÷ 6 = ___	36 ÷ 6 = ___

Total

Total

Total

Name: _____ Class: _____

9

1 x 6 = ___	6 x 5 = ___	12 ÷ 6 = ___	6 x 6 = ___
6 x 3 = ___	2 x 6 = ___	4 x 6 = ___	6 x 2 = ___
24 ÷ 6 = ___	7 x 6 = ___	6 x 8 = ___	30 ÷ 6 = ___
6 x 8 = ___	9 x 6 = ___	18 ÷ 6 = ___	3 x 6 = ___
36 ÷ 6 = ___	4 x 6 = ___	42 ÷ 6 = ___	5 x 6 = ___
6 x 7 = ___	18 ÷ 6 = ___	6 x 1 = ___	6 x 9 = ___
3 x 6 = ___	8 x 6 = ___	48 ÷ 6 = ___	2 x 6 = ___
54 ÷ 6 = ___	42 ÷ 6 = ___	6 x 9 = ___	6 x 4 = ___

Total

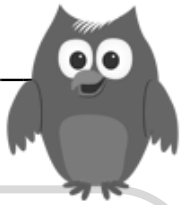
10

6 x 3 = ___	2 x 6 = ___	5 x 6 = ___	30 ÷ 6 = ___
12 ÷ 6 = ___	6 x 1 = ___	7 x 6 = ___	6 x 4 = ___
6 x 5 = ___	48 ÷ 6 = ___	3 x 6 = ___	1 x 6 = ___
9 x 6 = ___	6 x 2 = ___	6 x 9 = ___	18 ÷ 6 = ___
30 ÷ 6 = ___	4 x 6 = ___	8 x 6 = ___	7 x 6 = ___
6 x 6 = ___	48 ÷ 6 = ___	42 ÷ 6 = ___	6 x 3 = ___
6 x 8 = ___	6 x 5 = ___	24 ÷ 6 = ___	9 x 6 = ___
36 ÷ 6 = ___	6 x 7 = ___	8 x 6 = ___	54 ÷ 6 = ___

Total

Total

Name: _____ Class: _____



11

5 x 6 = ___	6 x 2 = ___	6 x 1 = ___	18 ÷ 6 = ___
6 x 6 = ___	6 x 3 = ___	24 ÷ 6 = ___	6 x 4 = ___
4 x 6 = ___	12 ÷ 6 = ___	7 x 6 = ___	3 x 6 = ___
30 ÷ 6 = ___	2 x 6 = ___	6 x 4 = ___	48 ÷ 6 = ___
6 x 5 = ___	18 ÷ 6 = ___	6 x 9 = ___	6 x 8 = ___
9 x 6 = ___	6 x 5 = ___	36 ÷ 6 = ___	6 x 6 = ___
54 ÷ 6 = ___	6 x 7 = ___	48 ÷ 6 = ___	1 x 6 = ___
9 x 6 = ___	8 x 6 = ___	7 x 6 = ___	6 x 4 = ___

Total

12

2 x 6 = ___	6 x 4 = ___	6 x 7 = ___	24 ÷ 6 = ___
6 x 1 = ___	5 x 6 = ___	36 ÷ 6 = ___	6 x 5 = ___
12 ÷ 6 = ___	3 x 6 = ___	6 x 4 = ___	9 x 6 = ___
6 x 6 = ___	30 ÷ 6 = ___	6 x 2 = ___	8 x 6 = ___
6 x 9 = ___	4 x 6 = ___	6 x 5 = ___	18 ÷ 6 = ___
48 ÷ 6 = ___	6 x 1 = ___	6 x 8 = ___	7 x 6 = ___
6 x 3 = ___	8 x 6 = ___	36 ÷ 6 = ___	24 ÷ 6 = ___
6 x 6 = ___	9 x 6 = ___	54 ÷ 6 = ___	42 ÷ 6 = ___

Total

Total

Name: _____ Class: _____

13

x6 Word Problems

1.  How many separate wellies are there in six pairs of wellies? _____

2. 

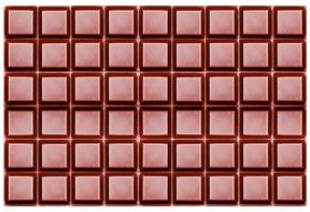
There are six snake sweets in a packet. Alice buys five packets of snake sweets. How many snake sweets does Alice buy altogether? _____

3. Jay and Chen grow plants from seeds. Jay's plant is 6cm high. Chen's plant is four times higher. How high is Chen's plant? _____

4. A hexagon has six sides. How many sides are there in six hexagons altogether? _____

5. Wesley is driven 6km to school. His friend Jake is driven three times as far. How far is Jake driven to school? _____

6. There are 4 litres of milk in one bottle. How many litres of milk are there in six bottles? _____

7.  How many pieces of chocolate are there in the chocolate bar? _____

8. Nadia buys eight presents for friends. Each present costs £6. How much does Nadia spend altogether? _____

9. 

There are six eggs in a box. How many eggs are there in seven boxes? _____

10. A shirt has six buttons on it. How many buttons are there on nine shirts? _____

Total

Name: _____ Class: _____

x6 Word Problems

14

1.  Jodie sees some ladybirds on a flower. She counts all the ladybirds' legs and these total 18. Each ladybird has six legs. How many ladybirds are on the flower? _____

2. There are 30 children in a class. Six children sit at each children's table. How many children's tables are there in the classroom? _____

3. Tom keeps the total score when he rolls the dice. He rolls the dice four times. His total score is 24. What number did each dice roll show? _____

4. There are 12 socks lying on the floor. The socks are sorted into pairs. How many pairs of socks are there? _____

5. 

Jasmine buys 36 eggs. All the eggs are in boxes and there are six eggs in each box. How many boxes of eggs did she buy? _____

6. Anya buys six identical toys for her friends. She spends £54 altogether. How much does each toy cost? _____

7. 

There are six balloons in each pack. Isla buys nine packs. How many balloons does she buy altogether? _____

8. Jan builds a tower 48cm high by stacking bricks. Each brick is 6cm high. How many bricks does Jan use to build his tower? _____

9. There are six children at a party. At the end of the party, 42 balloons are shared out equally between the children. How many balloons does each child get? _____

10. 54 cup cakes are shared equally onto six plates. How many cup cakes are placed onto each plate? _____

Total

Name: _____ Class: _____

x6 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.

20×6 is the same as $2 \times 10 \times 6$ which is the same as $10 \times 2 \times 6$

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

Now calculate the result of $10 \times 2 \times 6$ by first multiplying 2×6 to leave 10×12. The final answer is $10 \times 12 = 120$.

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

Total

Name: _____ Class: _____

x6 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.

21×6 is the same as $(10 + 11) \times 6$ which is the same as $10 \times 6 + 11 \times 6$

Remember that the multiplications are done before the addition.

Now add the result of $10 \times 6 = 60$ to the result of $11 \times 6 = 66$, both from the times tables. The final answer is $60 + 66 = 126$.

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

Total