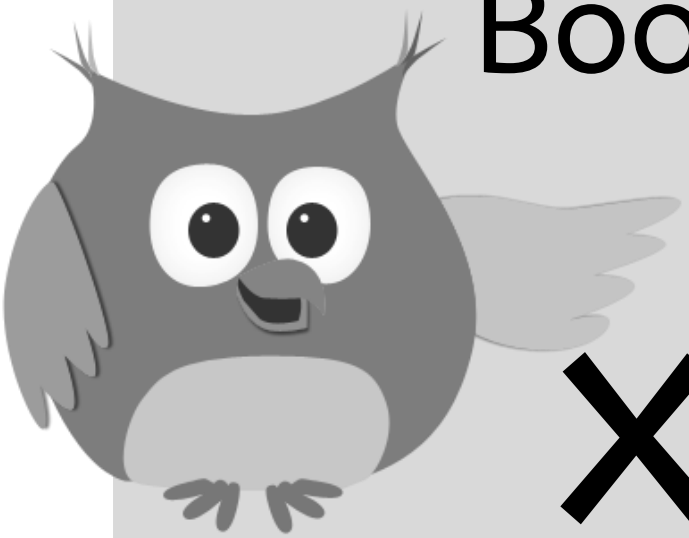
Scheme B

Times Tables Booklet



x 11

Name: _____

Class: _____

Copyright Professor Assessor Ltd

Contents

Question Section	1 to 6 x 11		7 to 12 x 11		11 to 66 ÷ 11	77 to 132 ÷ 11	Greater Depth
	? x 11	11 x ?	? x 11	11 x ?	? ÷ 11	? ÷ 11	
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							✓ x11 Word Problems
14							✓ x11, ÷11 Word Problems
15							✓ Beyond the Times Tables Associative Law Tables x10, x100
16							✓ Beyond the Times Tables Distributive Law

Copyright Professor Assessor Ltd

Name: _____ Class: _____

1a

1 x 11 = ___	5 x 11 = ___	2 x 11 = ___	4 x 11 = ___
3 x 11 = ___	6 x 11 = ___	1 x 11 = ___	5 x 11 = ___
4 x 11 = ___	2 x 11 = ___	3 x 11 = ___	6 x 11 = ___

Total

1b

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

Total

1c

55 ÷ 11 = ___	11 ÷ 11 = ___	33 ÷ 11 = ___	66 ÷ 11 = ___
22 ÷ 11 = ___	44 ÷ 11 = ___	55 ÷ 11 = ___	11 ÷ 11 = ___
33 ÷ 11 = ___	66 ÷ 11 = ___	44 ÷ 11 = ___	22 ÷ 11 = ___

Total

1d

110 ÷ 11 = ___	88 ÷ 11 = ___	99 ÷ 11 = ___	77 ÷ 11 = ___
121 ÷ 11 = ___	132 ÷ 11 = ___	121 ÷ 11 = ___	88 ÷ 11 = ___
99 ÷ 11 = ___	77 ÷ 11 = ___	110 ÷ 11 = ___	132 ÷ 11 = ___

Total

Total

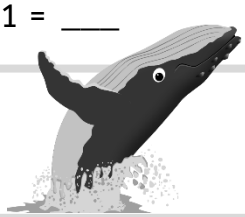
Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

2a

2 x 11 = ___	3 x 11 = ___	1 x 11 = ___	5 x 11 = ___
6 x 11 = ___	4 x 11 = ___	2 x 11 = ___	6 x 11 = ___
1 x 11 = ___	5 x 11 = ___	3 x 11 = ___	4 x 11 = ___



Total

2b

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

Total

2c

22 ÷ 11 = ___	55 ÷ 11 = ___	11 ÷ 11 = ___	44 ÷ 11 = ___
66 ÷ 11 = ___	33 ÷ 11 = ___	22 ÷ 11 = ___	55 ÷ 11 = ___
11 ÷ 11 = ___	44 ÷ 11 = ___	66 ÷ 11 = ___	33 ÷ 11 = ___

Total

2d

121 ÷ 11 = ___	88 ÷ 11 = ___	110 ÷ 11 = ___	77 ÷ 11 = ___
132 ÷ 11 = ___	99 ÷ 11 = ___	88 ÷ 11 = ___	110 ÷ 11 = ___
77 ÷ 11 = ___	121 ÷ 11 = ___	132 ÷ 11 = ___	99 ÷ 11 = ___

Total

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

3a

5 x 11 = ___	3 x 11 = ___	1 x 11 = ___	4 x 11 = ___
2 x 11 = ___	6 x 11 = ___	4 x 11 = ___	2 x 11 = ___
6 x 11 = ___	5 x 11 = ___	1 x 11 = ___	3 x 11 = ___

Total

3b

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

Total

3c

11 ÷ 11 = ___	44 ÷ 11 = ___	22 ÷ 11 = ___	66 ÷ 11 = ___
33 ÷ 11 = ___	55 ÷ 11 = ___	33 ÷ 11 = ___	22 ÷ 11 = ___
11 ÷ 11 = ___	44 ÷ 11 = ___	55 ÷ 11 = ___	66 ÷ 11 = ___

Total

3d

88 ÷ 11 = ___	110 ÷ 11 = ___	77 ÷ 11 = ___	121 ÷ 11 = ___
99 ÷ 11 = ___	77 ÷ 11 = ___	132 ÷ 11 = ___	110 ÷ 11 = ___
121 ÷ 11 = ___	132 ÷ 11 = ___	88 ÷ 11 = ___	99 ÷ 11 = ___

Total

Total

Total

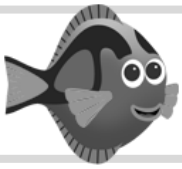
Copyright Professor Assessor Ltd

Name: _____ Class: _____

4a

4 x 11 = ___	1 x 11 = ___	3 x 11 = ___	5 x 11 = ___
6 x 11 = ___	2 x 11 = ___	5 x 11 = ___	1 x 11 = ___
2 x 11 = ___	6 x 11 = ___	4 x 11 = ___	3 x 11 = ___

Total



4b

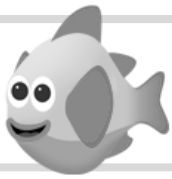
10 x 11 = ___	8 x 11 = ___	11 x 11 = ___	9 x 11 = ___
11 x 11 = ___	12 x 11 = ___	10 x 11 = ___	7 x 11 = ___
9 x 11 = ___	7 x 11 = ___	8 x 11 = ___	12 x 11 = ___

Total

4c

33 ÷ 11 = ___	55 ÷ 11 = ___	11 ÷ 11 = ___	44 ÷ 11 = ___
22 ÷ 11 = ___	66 ÷ 11 = ___	33 ÷ 11 = ___	55 ÷ 11 = ___
66 ÷ 11 = ___	11 ÷ 11 = ___	44 ÷ 11 = ___	22 ÷ 11 = ___

Total



4d

99 ÷ 11 = ___	110 ÷ 11 = ___	77 ÷ 11 = ___	121 ÷ 11 = ___
132 ÷ 11 = ___	88 ÷ 11 = ___	99 ÷ 11 = ___	77 ÷ 11 = ___
110 ÷ 11 = ___	132 ÷ 11 = ___	121 ÷ 11 = ___	88 ÷ 11 = ___

Total

Total

Total

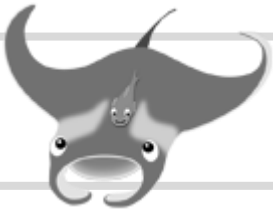
Copyright Professor Assessor Ltd

Name: _____ Class: _____

5a

1 x 11 = ___	11 x 2 = ___	3 x 11 = ___	11 x 4 = ___
11 x 5 = ___	6 x 11 = ___	11 x 1 = ___	5 x 11 = ___
4 x 11 = ___	2 x 11 = ___	11 x 6 = ___	11 x 3 = ___

Total



5b

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

Total

5c

22 ÷ 11 = ___	55 ÷ 11 = ___	33 ÷ 11 = ___	66 ÷ 11 = ___
11 ÷ 11 = ___	44 ÷ 11 = ___	55 ÷ 11 = ___	44 ÷ 11 = ___
33 ÷ 11 = ___	66 ÷ 11 = ___	11 ÷ 11 = ___	22 ÷ 11 = ___

Total

5d

110 ÷ 11 = ___	88 ÷ 11 = ___	99 ÷ 11 = ___	121 ÷ 11 = ___
77 ÷ 11 = ___	132 ÷ 11 = ___	88 ÷ 11 = ___	77 ÷ 11 = ___
99 ÷ 11 = ___	121 ÷ 11 = ___	110 ÷ 11 = ___	132 ÷ 11 = ___

Total

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

6a

11 x 2 = ___	3 x 11 = ___	11 x 5 = ___	1 x 11 = ___
4 x 11 = ___	11 x 6 = ___	11 x 3 = ___	5 x 11 = ___
11 x 1 = ___	5 x 11 = ___	2 x 11 = ___	11 x 4 = ___

Total

6b

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

Total

6c

33 ÷ 11 = ___	11 ÷ 11 = ___	44 ÷ 11 = ___	22 ÷ 11 = ___
55 ÷ 11 = ___	66 ÷ 11 = ___	11 ÷ 11 = ___	33 ÷ 11 = ___
44 ÷ 11 = ___	22 ÷ 11 = ___	55 ÷ 11 = ___	66 ÷ 11 = ___

Total

6d

88 ÷ 11 = ___	121÷ 11 = ___	77 ÷ 11 = ___	99 ÷ 11 = ___
110 ÷ 11 = ___	132 ÷ 11 = ___	99 ÷ 11 = ___	88 ÷ 11 = ___
77 ÷ 11 = ___	110 ÷ 11 = ___	121 ÷ 11 = ___	132 ÷ 11 = ___

Total

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

7a

11 x 5 = ___	2 x 11 = ___	11 x 3 = ___	1 x 11 = ___
6 x 11 = ___	11 x 4 = ___	5 x 11 = ___	3 x 11 = ___
11 x 2 = ___	11 x 6 = ___	11 x 1 = ___	4 x 11 = ___

Total

7b

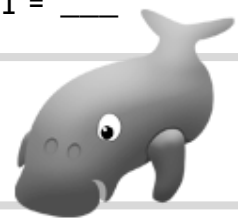
11 x 10 = ___	11 x 11 = ___	7 x 11 = ___	8 x 11 = ___
11 x 9 = ___	12 x 11 = ___	10 x 11 = ___	11 x 11 = ___
11 x 8 = ___	11 x 7 = ___	11 x 12 = ___	9 x 11 = ___

Total

7c

11 ÷ 11 = ___	33 ÷ 11 = ___	22 ÷ 11 = ___	44 ÷ 11 = ___
66 ÷ 11 = ___	55 ÷ 11 = ___	11 ÷ 11 = ___	33 ÷ 11 = ___
22 ÷ 11 = ___	66 ÷ 11 = ___	44 ÷ 11 = ___	55 ÷ 11 = ___

Total



7d

121 ÷ 11 = ___	77 ÷ 11 = ___	99 ÷ 11 = ___	88 ÷ 11 = ___
132 ÷ 11 = ___	110 ÷ 11 = ___	121 ÷ 11 = ___	77 ÷ 11 = ___
99 ÷ 11 = ___	88 ÷ 11 = ___	110 ÷ 11 = ___	132 ÷ 11 = ___

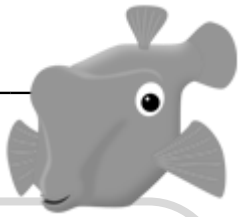
Total

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____



8a

11 x 1 = ___	4 x 11 = ___	11 x 3 = ___	5 x 11 = ___
3 x 11 = ___	11 x 6 = ___	11 x 4 = ___	1 x 11 = ___
2 x 11 = ___	11 x 5 = ___	6 x 11 = ___	11 x 2 = ___

Total

8b

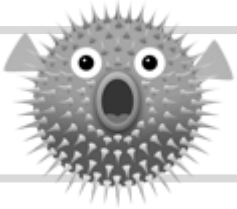
11 x 11 = ___	11 x 8 = ___	11 x 7 = ___	10 x 11 = ___
9 x 11 = ___	11 x 12 = ___	11 x 11 = ___	11 x 9 = ___
7 x 11 = ___	11 x 10 = ___	12 x 11 = ___	8 x 11 = ___

Total

8c

55 ÷ 11 = ___	11 ÷ 11 = ___	33 ÷ 11 = ___	66 ÷ 11 = ___
22 ÷ 11 = ___	44 ÷ 11 = ___	55 ÷ 11 = ___	11 ÷ 11 = ___
33 ÷ 11 = ___	66 ÷ 11 = ___	44 ÷ 11 = ___	22 ÷ 11 = ___

Total



8d

110 ÷ 11 = ___	88 ÷ 11 = ___	99 ÷ 11 = ___	77 ÷ 11 = ___
121 ÷ 11 = ___	132 ÷ 11 = ___	121 ÷ 11 = ___	88 ÷ 11 = ___
99 ÷ 11 = ___	77 ÷ 11 = ___	110 ÷ 11 = ___	132 ÷ 11 = ___

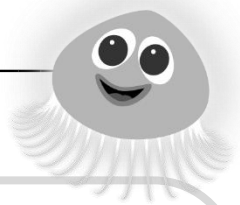
Total

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____



9

1 x 11 = ___	11 x 5 = ___	22 ÷ 11 = ___	6 x 11 = ___
11 x 3 = ___	10 x 11 = ___	4 x 11 = ___	11 x 2 = ___
44 ÷ 11 = ___	11 x 9 = ___	11 x 11 = ___	55 ÷ 11 = ___
7 x 11 = ___	11 x 8 = ___	110 ÷ 11 = ___	3 x 11 = ___
66 ÷ 11 = ___	12 x 11 = ___	88 ÷ 11 = ___	5 x 11 = ___
11 x 6 = ___	33 ÷ 11 = ___	11 x 10 = ___	8 x 11 = ___
11 x 11 = ___	11 x 7 = ___	121 ÷ 11 = ___	2 x 11 = ___
99 ÷ 11 = ___	77 ÷ 11 = ___	11 x 12 = ___	11 x 4 = ___

Total

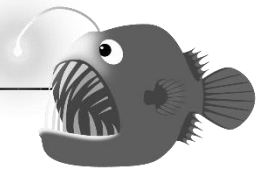
10

10 x 11 = ___	2 x 11 = ___	5 x 11 = ___	55 ÷ 11 = ___
22 ÷ 11 = ___	11 x 1 = ___	11 x 9 = ___	11 x 4 = ___
11 x 5 = ___	88 ÷ 11 = ___	3 x 11 = ___	11 x 10 = ___
11 x 11 = ___	11 x 2 = ___	8 x 11 = ___	33 ÷ 11 = ___
110 ÷ 11 = ___	4 x 11 = ___	11 x 7 = ___	12 x 11 = ___
11 x 6 = ___	121 ÷ 11 = ___	77 ÷ 11 = ___	11 x 3 = ___
7 x 11 = ___	11 x 11 = ___	44 ÷ 11 = ___	11 x 8 = ___
66 ÷ 11 = ___	6 x 11 = ___	11 x 12 = ___	99 ÷ 11 = ___

Total

Total

Copyright Professor Assessor Ltd



Name: _____ Class: _____

11

5 x 11 = ___	11 x 2 = ___	11 x 10 = ___	110 ÷ 11 = ___
11 x 9 = ___	11 x 3 = ___	44 ÷ 11 = ___	11 x 4 = ___
11 x 5 = ___	22 ÷ 11 = ___	11 x 6 = ___	3 x 11 = ___
55 ÷ 11 = ___	2 x 11 = ___	11 x 11 = ___	88 ÷ 11 = ___
4 x 11 = ___	33 ÷ 11 = ___	8 x 11 = ___	7 x 11 = ___
10 x 11 = ___	11 x 12 = ___	66 ÷ 11 = ___	11 x 11 = ___
99 ÷ 11 = ___	6 x 11 = ___	121 ÷ 11 = ___	1 x 11 = ___
11 x 8 = ___	11 x 7 = ___	12 x 11 = ___	11 x 4 = ___

Total

12

2 x 11 = ___	11 x 10 = ___	11 x 9 = ___	44 ÷ 11 = ___
11 x 11 = ___	5 x 11 = ___	110 ÷ 11 = ___	11 x 5 = ___
22 ÷ 11 = ___	3 x 11 = ___	11 x 4 = ___	11 x 8 = ___
6 x 11 = ___	55 ÷ 11 = ___	11 x 2 = ___	11 x 11 = ___
8 x 11 = ___	4 x 11 = ___	11 x 12 = ___	33 ÷ 11 = ___
88 ÷ 11 = ___	11 x 1 = ___	7 x 11 = ___	11 x 6 = ___
11 x 3 = ___	10 x 11 = ___	66 ÷ 11 = ___	121 ÷ 11 = ___
11 x 7 = ___	12 x 11 = ___	99 ÷ 11 = ___	77 ÷ 11 = ___

Total

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

13

x11 Word Problems

1. A football team has 11 players on the pitch at once. How many players are on the pitch when two teams play each other. _____

2. A dog has four legs. How many legs do eleven dogs have altogether? _____

3. Eleven children sit at a table. They each put one hand on the table. How many fingers are on the table? _____

4.

There are 10 stickers in each pack. Joe buys 11 packs. How many stickers does Joe buy altogether? _____

5. Mark takes 11 minutes to tidy his room. His sister takes three times as long. How long does Mark's sister take to tidy her room? _____

6. Jay has 11p. Samir has got six times more money than Jay. How much money does Samir have? _____

7. Maisy and Ed plant seeds. Nine of Maisy's seeds grow. Eleven times more of Ed's seeds grow than Maisy's. How many of Ed's seeds grow? _____

8. Alice stacks eight wooden blocks to make a tower. The blocks are all 11cm high. How high is the tower? _____

9. There are seven bags of sweets. Each bag contains 11 sweets. How many sweets are there altogether? _____

10. This type of ladybird has 11 spots. How many spots are there on 12 ladybirds of the same type? _____

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

x11 Word Problems

14

1. 22 shoes are lying on the floor. Ted sorts all the shoes into pairs. How many pairs of shoes are there? _____

2. A box of 55 chocolates is shared equally between 11 children. How many chocolates do they get each? _____

3. 44 children are divided into four equal rounders teams. How many children are in each team? _____

4. Plates with 11 cakes on them are put onto six tables at a party. How many cakes are there altogether? _____

5.

There are twelve pencils in each box. Yasmin buys 11 boxes of pencils. How many pencils does Yasmin buy altogether? _____

6. Molly's Grandad is 11 times older than Molly. Her Grandad is 88 years old. How old is Molly? _____

7. There are some ladybirds with 11 spots each on a flower. Misha counts all the spots and they total 77. How many ladybirds are on the flower? _____

8. It takes Kyle 11 minutes to do a job. It takes Evie 33 minutes to do her job. How much longer does Evie take to do her job than Kyle. _____

9. Harry puts 121 grapes into 11 bowls. There are the same number of grapes in each bowl. How many grapes are in each bowl? _____

10. Eva has £1.32. She has eleven times more money than Ruby. How much money does Ruby have? _____

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

x11 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.

20×11 is the same as $2 \times 10 \times 11$ which is the same as $10 \times 2 \times 11$

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

Now calculate the result of $10 \times 2 \times 11$ by first multiplying 2×11 to leave 10×22. The final answer is $10 \times 22 = 220$.

1. 30 x 11 = ____ same as ____ x ____ x11 same as ____ x ____ x11
2. 50 x 11 = ____ same as ____ x ____ x11 same as ____ x ____ x11
3. 40 x 11 = ____ same as ____ x ____ x11 same as ____ x ____ x11
4. 60 x 11 = ____ same as ____ x ____ x11 same as ____ x ____ x11
5. 80 x 11 = ____ same as ____ x ____ x11 same as ____ x ____ x11
6. 90 x 11 = ____
7. 70 x 11 = ____
8. 200 x 11 = ____
9. 500 x 11 = ____
10. 900 x 11 = ____

Total

Copyright Professor Assessor Ltd

Name: _____ Class: _____

x11 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.

15×11 is the same as $(10 + 5) \times 11$
which is the same as $10 \times 11 + 5 \times 11$

Remember that the multiplications are done before the addition.

Now add the result of $10 \times 11 = 110$ to the result of $5 \times 11 = 55$, both from the times tables. The final answer is $110 + 55 = 165$.

1. 13 x 11 = ____ same as (____ + ____) x 11 same as ____ x 11 + ____ x 11
2. 16 x 11 = ____ same as (____ + ____) x 11 same as ____ x 11 + ____ x 11
3. 19 x 11 = ____ same as (____ + ____) x 11 same as ____ x 11 + ____ x 11
4. 14 x 11 = ____ same as (____ + ____) x 11 same as ____ x 11 + ____ x 11
5. 17 x 11 = ____ same as (____ + ____) x 11 same as ____ x 11 + ____ x 11
6. 18 x 11 = ____
7. 22 x 11 = ____
8. 20 x 11 = ____
9. 23 x 11 = ____
10. 24 x 11 = ____

Total

Copyright Professor Assessor Ltd