Scheme B

Times Tables Booklet

x6 x7 x9

Name: _____

Class: _____

Contents

Question Section	? x 6 ? x 7 ? x 9	6 x ? 7 x ? 9 x ?	? ÷ 6 ? ÷ 7 ? ÷ 9	Greater Depth
1, 2, 3, 4	✓			
5, 6, 7, 8	✓	✓		
9, 10, 11, 12	✓	✓	✓	
13				✓ x6 x7 x9 Word Problems
14				✓ x6 x7 x9 ÷6 ÷7 ÷9 Word Problems
15				✓ Beyond the Times Tables Associative Law Tables x10, x100
16				✓ Beyond the Times Tables Distributive Law

Name: _____ Class: _____

1

2 x 6 = ___	10 x 7 = ___	4 x 9 = ___	6 x 7 = ___
8 x 6 = ___	2 x 7 = ___	6 x 6 = ___	3 x 9 = ___
5 x 7 = ___	7 x 9 = ___	4 x 7 = ___	9 x 6 = ___
8 x 9 = ___	10 x 6 = ___	11 x 7 = ___	10 x 9 = ___
7 x 6 = ___	3 x 7 = ___	9 x 9 = ___	8 x 7 = ___
11 x 9 = ___	4 x 6 = ___	12 x 6 = ___	5 x 9 = ___
7 x 7 = ___	5 x 6 = ___	9 x 7 = ___	11 x 6 = ___
6 x 9 = ___	12 x 7 = ___	3 x 6 = ___	12 x 9 = ___

Total

2

3 x 9 = ___	4 x 6 = ___	5 x 7 = ___	6 x 9 = ___
2 x 7 = ___	8 x 9 = ___	6 x 6 = ___	11 x 6 = ___
2 x 9 = ___	4 x 7 = ___	10 x 9 = ___	9 x 7 = ___
3 x 6 = ___	5 x 9 = ___	7 x 7 = ___	8 x 6 = ___
10 x 7 = ___	5 x 6 = ___	11 x 9 = ___	12 x 7 = ___
7 x 6 = ___	3 x 7 = ___	12 x 6 = ___	4 x 9 = ___
11 x 7 = ___	9 x 6 = ___	7 x 9 = ___	8 x 7 = ___
10 x 6 = ___	6 x 7 = ___	12 x 9 = ___	9 x 9 = ___

Total

Total

Name: _____   Class: _____

3

4 x 7 = ___	6 x 6 = ___	3 x 9 = ___	8 x 7 = ___
5 x 6 = ___	9 x 9 = ___	7 x 6 = ___	6 x 9 = ___
3 x 7 = ___	10 x 6 = ___	6 x 7 = ___	4 x 6 = ___
5 x 9 = ___	9 x 7 = ___	8 x 9 = ___	7 x 7 = ___
8 x 6 = ___	7 x 9 = ___	11 x 7 = ___	12 x 6 = ___
10 x 7 = ___	3 x 6 = ___	5 x 7 = ___	11 x 9 = ___
4 x 9 = ___	2 x 7 = ___	11 x 6 = ___	12 x 7 = ___
9 x 6 = ___	10 x 9 = ___	2 x 6 = ___	12 x 9 = ___

Total

4

5 x 9 = ___	3 x 7 = ___	6 x 6 = ___	8 x 7 = ___
4 x 6 = ___	7 x 9 = ___	10 x 7 = ___	9 x 6 = ___
3 x 9 = ___	8 x 6 = ___	9 x 9 = ___	6 x 7 = ___
11 x 7 = ___	8 x 9 = ___	7 x 6 = ___	12 x 9 = ___
10 x 6 = ___	7 x 7 = ___	6 x 9 = ___	11 x 6 = ___
9 x 7 = ___	10 x 9 = ___	5 x 7 = ___	4 x 9 = ___
5 x 6 = ___	4 x 7 = ___	3 x 6 = ___	12 x 7 = ___
11 x 9 = ___	2 x 7 = ___	2 x 9 = ___	12 x 6 = ___

Total

Total

Name: _____ Class: _____

5

2 x 6 = ___	7 x 7 = ___	9 x 6 = ___	4 x 9 = ___
7 x 8 = ___	6 x 4 = ___	4 x 7 = ___	9 x 3 = ___
6 x 8 = ___	9 x 11 = ___	2 x 9 = ___	6 x 6 = ___
7 x 3 = ___	6 x 5 = ___	10 x 9 = ___	7 x 12 = ___
9 x 9 = ___	5 x 7 = ___	6 x 3 = ___	9 x 5 = ___
12 x 9 = ___	10 x 7 = ___	7 x 6 = ___	6 x 10 = ___
8 x 7 = ___	7 x 2 = ___	11 x 6 = ___	7 x 9 = ___
11 x 7 = ___	12 x 6 = ___	8 x 9 = ___	6 x 7 = ___

Total

6

3 x 6 = ___	4 x 7 = ___	10 x 9 = ___	6 x 11 = ___
7 x 5 = ___	9 x 2 = ___	8 x 6 = ___	7 x 7 = ___
5 x 9 = ___	6 x 4 = ___	7 x 8 = ___	3 x 9 = ___
6 x 6 = ___	2 x 7 = ___	9 x 4 = ___	10 x 6 = ___
7 x 11 = ___	9 x 8 = ___	6 x 2 = ___	7 x 9 = ___
5 x 6 = ___	12 x 7 = ___	9 x 9 = ___	6 x 7 = ___
7 x 10 = ___	11 x 9 = ___	6 x 9 = ___	7 x 3 = ___
12 x 6 = ___	9 x 7 = ___	9 x 12 = ___	7 x 6 = ___

Total

Total

ProfessorAssessor
Assessment Made Simple

Name: _____   Class: _____

7

6 x 5 = ___	3 x 7 = ___	9 x 11 = ___	4 x 6 = ___
9 x 7 = ___	6 x 10 = ___	7 x 4 = ___	8 x 9 = ___
6 x 6 = ___	7 x 12 = ___	9 x 5 = ___	2 x 6 = ___
10 x 7 = ___	4 x 9 = ___	11 x 6 = ___	8 x 7 = ___
9 x 3 = ___	6 x 7 = ___	10 x 9 = ___	6 x 3 = ___
7 x 7 = ___	2 x 9 = ___	8 x 6 = ___	12 x 9 = ___
7 x 6 = ___	5 x 7 = ___	9 x 9 = ___	7 x 2 = ___
6 x 9 = ___	7 x 11 = ___	6 x 12 = ___	7 x 9 = ___

Total

8

2 x 7 = ___	6 x 4 = ___	3 x 9 = ___	7 x 9 = ___
5 x 6 = ___	10 x 7 = ___	6 x 8 = ___	9 x 2 = ___
7 x 8 = ___	6 x 6 = ___	7 x 5 = ___	11 x 9 = ___
3 x 6 = ___	9 x 7 = ___	10 x 6 = ___	4 x 7 = ___
9 x 9 = ___	7 x 6 = ___	9 x 5 = ___	7 x 12 = ___
6 x 2 = ___	11 x 7 = ___	4 x 9 = ___	6 x 7 = ___
7 x 3 = ___	9 x 8 = ___	7 x 7 = ___	9 x 6 = ___
9 x 10 = ___	11 x 6 = ___	6 x 12 = ___	12 x 9 = ___

Total

Total

ProfessorAssessor
Assessment Made Simple

Name: _____   Class: _____

9

6 x 2 = ___	4 x 7 = ___	11 x 9 = ___	36 ÷ 6 = ___
10 x 7 = ___	9 x 8 = ___	35 ÷ 7 = ___	3 x 9 = ___
7 x 6 = ___	18 ÷ 9 = ___	9 x 6 = ___	7 x 3 = ___
24 ÷ 6 = ___	9 x 10 = ___	7 x 7 = ___	36 ÷ 9 = ___
7 x 11 = ___	6 x 8 = ___	9 x 5 = ___	12 x 7 = ___
14 ÷ 7 = ___	9 x 9 = ___	4 x 6 = ___	7 x 9 = ___
9 x 12 = ___	6 x 5 = ___	56 ÷ 7 = ___	10 x 6 = ___
6 x 7 = ___	54 ÷ 9 = ___	11 x 6 = ___	6 x 12 = ___

Total

10

2 x 9 = ___	7 x 5 = ___	3 x 6 = ___	45 ÷ 9 = ___
11 x 7 = ___	6 x 9 = ___	49 ÷ 7 = ___	8 x 6 = ___
12 ÷ 6 = ___	10 x 9 = ___	6 x 6 = ___	7 x 4 = ___
8 x 9 = ___	27 ÷ 9 = ___	2 x 7 = ___	6 x 5 = ___
12 x 6 = ___	7 x 10 = ___	4 x 9 = ___	63 ÷ 7 = ___
24 ÷ 6 = ___	9 x 9 = ___	7 x 8 = ___	9 x 11 = ___
7 x 12 = ___	6 x 11 = ___	7 x 6 = ___	60 ÷ 6 = ___
9 x 7 = ___	12 x 9 = ___	21 ÷ 7 = ___	7 x 9 = ___

Total

Total

Name: _____   Class: _____

11

6 x 4 = ___	5 x 9 = ___	3 x 7 = ___	18 ÷ 6 = ___
9 x 10 = ___	7 x 7 = ___	36 ÷ 9 = ___	9 x 6 = ___
7 x 11 = ___	35 ÷ 7 = ___	7 x 6 = ___	9 x 3 = ___
48 ÷ 6 = ___	2 x 9 = ___	9 x 7 = ___	72 ÷ 9 = ___
12 x 7 = ___	6 x 6 = ___	7 x 2 = ___	9 x 11 = ___
6 x 5 = ___	70 ÷ 7 = ___	9 x 9 = ___	10 x 6 = ___
4 x 7 = ___	12 x 9 = ___	72 ÷ 6 = ___	6 x 7 = ___
54 ÷ 9 = ___	2 x 6 = ___	6 x 12 = ___	7 x 8 = ___

Total

12

2 x 7 = ___	9 x 4 = ___	3 x 6 = ___	28 ÷ 7 = ___
10 x 9 = ___	6 x 8 = ___	45 ÷ 9 = ___	7 x 6 = ___
36 ÷ 6 = ___	9 x 2 = ___	7 x 7 = ___	6 x 11 = ___
9 x 8 = ___	10 x 7 = ___	63 ÷ 7 = ___	5 x 6 = ___
7 x 12 = ___	11 x 9 = ___	6 x 2 = ___	81 ÷ 9 = ___
24 ÷ 6 = ___	7 x 5 = ___	3 x 9 = ___	8 x 7 = ___
7 x 9 = ___	6 x 10 = ___	77 ÷ 7 = ___	7 x 3 = ___
9 x 12 = ___	54 ÷ 6 = ___	12 x 6 = ___	6 x 7 = ___

Total

Total

Name: _____ Class: _____

x6, x7, x9 Word Problems

13

1. An ant has six legs. How many legs do five ants have altogether? _____

2. Four friends each have £7. How much money do they have altogether? _____

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

4. Molly's cat weighs 6kg. Her dog weights seven times as much as her cat. How much does Molly's dog weigh? _____

5. Joel takes six minutes to walk to school. Ester takes three times as long to walk to school. How long does Ester take to walk to school? _____

6. Tom draws nine spots on each side of a cube. The cube has six sides. How many spots does Tom draw? _____

7. The sports teacher asks the children to get into groups of six. There are eight groups of children. How many children are there altogether? _____

8. There are nine football cards in each pack. Mia buys seven packs. How many football cards does Mia buy altogether? _____

9. Ben places eight lollypop sticks end to end in a long line. Each lollypop stick is 9cm long. How long is the line of lollypop sticks? _____

10. There are eight balloons in each pack. Liam buys seven packs of balloons. How many balloons does Liam buy? _____

Total

Name: _____   Class: _____

x6, x7, x9 Word Problems

14

1. There are 18 wellies lying on the floor. Jack puts the wellies into pairs. How many pairs of wellies are there?   _____

2. Gina puts four plates of cakes out for a party. There are six cakes on each plate. How many cakes are there altogether?   _____

3. Elena is seven years old. Her big brother is three times as old as Elena. How old is Elena's big brother?   _____

4. There are nine balloons in each pack. Dani buys four packs of balloons. How many balloons does Dani buy altogether?   _____

5. A shop buys a box of 35 toy trucks. The shop sells five trucks each day. How many days does it take to sell all the trucks?   _____

6. Eddy buys nine bags of sweets for his friends. Each bag contains nine sweets. How many sweets does he buy altogether?   _____

7. Nina counts the spots on all the ladybirds on a flower. She counts 49 spots. Each ladybird has seven spots. How many ladybirds are on the flower?   _____

8. Jan needs to buy 42 eggs to make cakes for a party. The eggs are sold in boxes of six. How many boxes of eggs does Jan need to buy?   _____

9. A bag of 36 sweets is shared out to children. All children get six sweets each. How many children get sweets?   _____

10. Jessy builds a tower from toy bricks. Each brick is 6cm high. His tower is 54cm high. How many bricks does Jessy use to build his tower?   _____

Total

ProfessorAssessor
Assessment Made Simple

Name: _____ Class: _____

x6, x7, 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.

20×6 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. 60 x 7 = ____   same as   ____ x ____ x 7   same as   ____ x ____ x 7

3. 50 x 9 = ____   same as   ____ x ____ x 9   same as   ____ x ____ x 9

4. 80 x 6 = ____   same as   ____ x ____ x 6   same as   ____ x ____ x 6

5. 60 x 7 = ____   same as   ____ x ____ x 7   same as   ____ x ____ x 7

6. 90 x 9 = ____

7. 70 x 6 = ____

8. 300 x 7 = ____

9. 700 x 9 = ____

10. 900 x 6 = ____

Total

Name: _____   Class: _____

x6, x7, 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.

21×6 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 7 = ____   same as (____ + ____) x 7   same as ____ x 7 + ____ x 7

2. 14 x 6 = ____   same as (____ + ____) x 6   same as ____ x 6 + ____ x 6

3. 19 x 9 = ____   same as (____ + ____) x 9   same as ____ x 9 + ____ x 9

4. 16 x 6 = ____   same as (____ + ____) x 6   same as ____ x 6 + ____ x 6

5. 17 x 7 = ____   same as (____ + ____) x 7   same as ____ x 7 + ____ x 7

6. 18 x 9 = ____

7. 19 x 7 = ____

8. 18 x 7 = ____

9. 19 x 6 = ____

10. 21 x 7 = ____

Total