Multiplication

(* Including ÷, + and -)

Basic Drills
and
Powers of 10
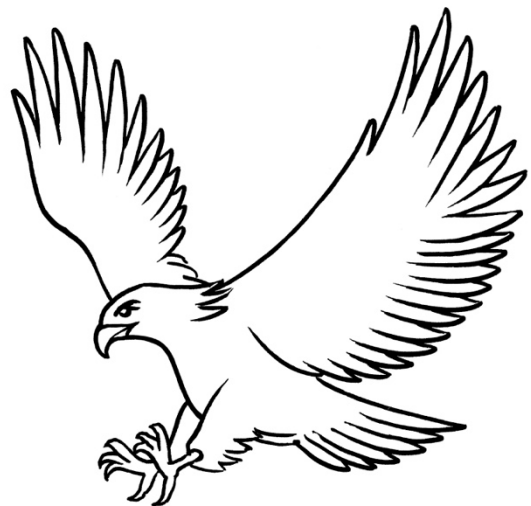
CONTENTS

Pages

Six Times Table

1	2	3	4	5	✗	7	8	9	10
11	✗	13	14	15	16	17	✗	19	20
21	22	23	✗	25	26	27	28	29	✗
31	32	33	34	35	✗	37	38	39	40
41	✗	43	44	45	46	47	✗	49	50
51	52	53	✗	55	56	57	58	59	✗
61	62	63	64	65	✗	67	68	69	70
71	✗	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

Six Times Tables

1	X	6	=	6
2	X	6	=	12
3	X	6	=	18
4	X	6	=	24
5	X	6	=	30
6	X	6	=	36
7	X	6	=	42
8	X	6	=	48
9	X	6	=	54
10	X	6	=	60
11	X	6	=	66
12	X	6	=	72

What do you notice??

The answers in the six times table
- follow a pattern where the last digit repeats
as follows : 6, 2, 8, 4, 0, 6 etc.
- are all even.
- have 1 row in the multiplication table with 1
multiple of six, then 2 rows with 2 multiples
of 6. This repeats down the table.

Multiplying by Multiples of Powers of Ten

1*. Complete the following multiplications.

Set A	
4 x 20	
3 x 30	
2 x 40	
5 x 30	
6 x 40	
8 x 20	

Set B	
9 x 200	
5 x 400	
7 x 300	
2 x 800	
3 x 600	
4 x 300	

Set C	
30 x 200	
80 x 3 000	
70 x 400	
4 x 2 000	
500 x 7	
80 x 500	

2. Comment on what you notice with the solutions in Question 1 compared to the numbers in each of the products in :

(a) Set A

(b) Set B

(c) Set C

Scanning the QR code on the right will direct you to a video which gives some examples of the type which follow in the next exercise.

3. Complete the following multiplications.

(a) 40 x 30

(b) 80 x 60

(c) 60 x 700

(d) 400 x 80

(e) 30 x 400

(f) 6 x 9 000

(g) 12 x 500

(h) 30 x 800

(i) 2 000 x 50

(j) 600 x 700

(k) 40 x 900

(l) 11 x 3 000

Multiplying and Dividing Numbers in Decimal Form by Powers of Ten

1*.   Complete the following multiplications.

Set A	
7.23 x 10	
3.11 x 10	
8.68 x 10	
0.35 x 10	
6.9 x 10	
2.4 x 10	

Set B	
4.553 x 100	
5.121 x 100	
8.301 x 100	
2.445 x 100	
8.13 x 100	
9.22 x 100	

Set C	
9.114 2 x 1 000	
4.345 2 x 1 000	
2.771 3 x 1 000	
0.545 x 1 000	
9.312 x 1 000	
19.134 x 1 000	

2.   Comment on what you notice with the solutions in Question 1 compared to the numbers on the left side of each product in :

(a)   Set A

(b)   Set B

(c)   Set C

Scanning the QR code on the right will direct you to a video which gives some examples of the type which follow in the next exercise.

3.   Complete the following multiplications.

(a)   3.445 x 10   (b)   7.893 x 100

(c)   6.884 x 100   (d)   5.83 x 10

(e)   5.677 x 1000   (f)   2.933 844 x 10 000

(g)   2.33 x 10   (h)   5.442 x 100

(i)   0.188 x 1 000   (j)   6.677 x 1 000

(k)   5.264 x 100   (l)   7.09 x 10

Quick Quiz 4s

Set A	Set B	Set C	Set D
4 x 3	40 x 4	400 x 70	4 x 71
5 x 4	70 x 4	30 x 40	98 x 4
4 x 7	400 ÷ 10	4 000 x 20	128 ÷ 4
4 x 10	40 x 8	3 600 ÷ 40	76 x 4
48 ÷ 4	160 ÷ 4	40 x 500	102 x 40
16 ÷ 4	2 000 x 4	44 000 ÷ 110	484 ÷ 4
4 x 11	4 800 ÷ 4	4 000 ÷ 40	602 x 4
4 ÷ 2	400 x 6	800 x 400	88 x 4
32 ÷ 4	9 x 40	1 100 x 40	997 x 4
0 x 4	1 200 ÷ 4	80 000 ÷ 400	48 000 ÷ 40

No.	Question	Answer
1	Write down the next three numbers in this pattern. 23, 19, 15, …	
2	What is 4 x 4 + 3 x 4	
3	What is the time if it is 400 minutes after midday?	
4	How much change would you get from $40 if you spent $4·80?	
5	Which shape has the greater perimeter : A square with a side length of 14 cm, or a rectangle that measures 8 cm by 21 cm?	
6	What change do you get from $4 if you buy 4 items at 40 cents each?	
7	Which is greater 33 x 4 or 133?	
8	If you count backwards from 50 in fours, what is the first number below 20?	
9	What is 4 x 4 x 4?	
10	What is 4 - 0.4 - 0.004?	