

Homework/Extension

Step 1: Multiples

National Curriculum Objectives:

Mathematics Year 5: (5C5a) [Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the mistakes in a list of multiples. Using multiples of 2, 3, 5 and 10.

Expected Identify the mistakes in a list of multiples. Using multiples of numbers up to and including 12.

Greater Depth Identify the mistakes in a list of multiples. Using multiples of numbers up to and beyond 12.

Questions 2, 5 and 8 (Varied Fluency)

Developing Sort the numbers in the correct group. Using multiples of 2, 3, 5 and 10.

Expected Sort the numbers using a two-circle Venn diagram. Using multiples of numbers up to and including 12.

Greater Depth Sort the numbers using a three-circle Venn diagram. Numbers up to and beyond 12 with some numbers not fitting in any circle.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Find a path through the maze by finding multiples of the given number. Using multiples of 2, 3, 5 and 10.

Expected Find a path through the maze by finding multiples of the given number. Using multiples of numbers up to and including 12.

Greater Depth Find a path through the maze by finding multiples of the same number. Number not given. Using multiples of numbers up to and beyond 12.

More [Year 5 Multiplication and Division](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Multiples

1. Justin is listing multiples. Circle his mistakes.

Multiples of 2

6

12

15

28

21

18

Multiples of 5

35

20

54

45

15

51



VF
HW/Ext

2. Sort the numbers into the correct group.

Multiples of 10

Multiples of 3

6

40

12

27

18

20

70

24

33

9



VF
HW/Ext

3. Find a path through the multiples maze. The multiples are not in order.

Multiples of 3

Start	9	15	26	25
14	22	33	19	32
20	36	27	13	23
10	18	5	4	17
31	6	12	24	Finish



RPS
HW/Ext

Multiples

4. Maynard is listing multiples. Circle his mistakes.

Multiples of 9

36

72

56

81

19

63

Multiples of 3

18

13

27

33

16

24



VF
HW/Ext

5. Sort the numbers into the Venn diagram.

Multiples of 4

Multiples of 7

49

36

140

28

52

21

20

12

80

35



VF
HW/Ext

6. Find a path through the multiples maze. The multiples are not in order.

Multiples of 8

Start	78	24	88	32
40	36	40	18	64
56	42	104	102	48
72	96	16	66	80
54	84	90	28	Finish



RPS
HW/Ext

Multiples

7. Jennifer is listing multiples. Circle her mistakes.

Multiples of 12

180

66

72

120

144

46

Multiples of 15

45

85

160

180

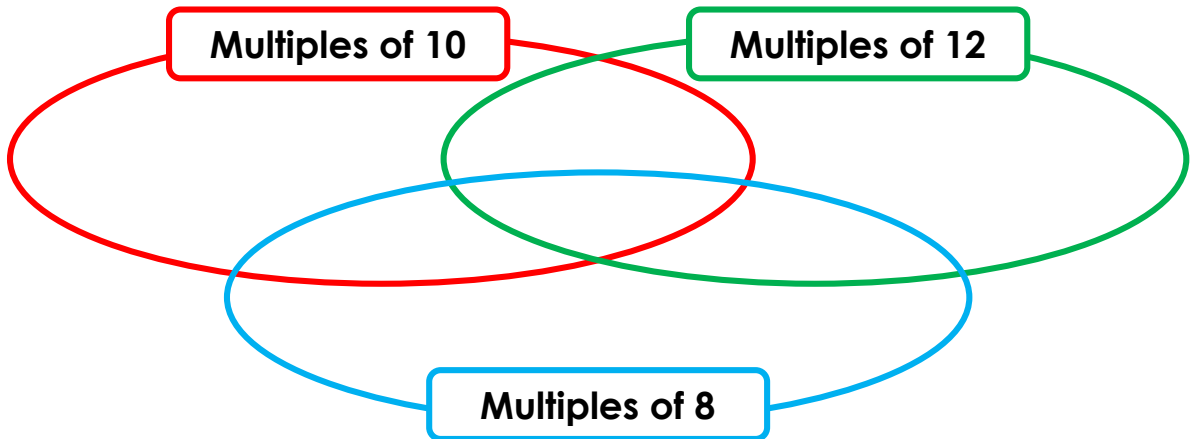
110

210



VF
HW/Ext

8. Sort the numbers into the Venn diagram.



24 64 120 48 80 54 36 88 70 180



VF
HW/Ext

9. Find a path through the multiples maze using multiples of the same number. The multiples are not in any order.

Start	121	88	22	110
144	55	24	48	96
1,200	99	300	33	84
156	275	120	143	12,000
72	132	108	11	Finish



RPS
HW/Ext

Homework/Extension

Multiples

Developing

1. **Multiples of 2: 15 and 21**
Multiples of 5: 54 and 51



3.

Start	9	15	26	25
14	22	33	19	32
20	36	27	13	23
10	18	5	4	17
31	6	12	24	Finish

Expected

4. **Multiples of 9: 56 and 19**
Multiples of 3: 13 and 16

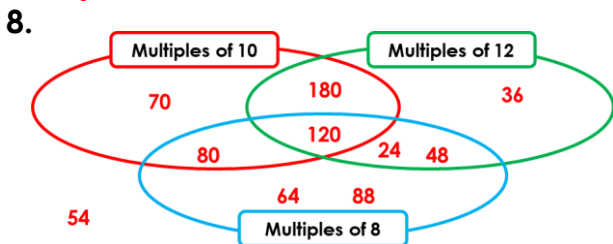


6.

Start	78	24	88	32
40	36	40	18	64
56	42	104	102	48
72	96	16	66	80
54	84	90	28	Finish

Greater Depth

7. **Multiples of 12: 66 and 46**
Multiples of 15: 85, 160 and 110



9. **Multiples of 12:**

Start	121	88	22	110
144	55	24	48	96
1,200	99	300	33	84
156	275	120	143	12,000
72	132	108	11	Finish