

Varied Fluency

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:

Developing Questions to support using multiples of 2, 3, 5 and 10.

Expected Questions to support using multiples of all numbers up to and including 12.

Greater Depth Questions to support using multiples of numbers beyond the 12 times tables.

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

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

Varied Fluency – Multiples

1a. True or false?

28 is a multiple of 5.



VF

1b. True or false?

33 is a multiple of 3.



VF

2a. Below is a sequence of multiples.
Fill in the blanks.

6 10 12 16



VF

2b. Below is a sequence of multiples.
Fill in the blanks.

9 12 21 24



VF

3a. Match the number to its multiple.

Number

Multiple

10
3
2

24
15
60



VF

3b. Match the number to its multiple.

Number

Multiple

5
2
3

20
27
22



VF

4a. Fill in the table below with two possible multiples for each number.

Number	Multiples	
3	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>



VF

4b. Fill in the table below with two possible multiples for each number.

Number	Multiples	
5	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>
10	<input type="text"/>	<input type="text"/>



VF

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Varied Fluency – Multiples – Year 5 Developing

Varied Fluency – Multiples

5a. True or false?

81 is a multiple of 8.



VF

5b. True or false?

108 is a multiple of 12.



VF

6a. Below is a sequence of multiples.
Fill in the blanks.

42 56 63



VF

6b. Below is a sequence of multiples.
Fill in the blanks.

36 48 84



VF

7a. Match the number to its multiple.

Number

Multiple

6
8
9

27
36
32



VF

7b. Match the number to its multiple.

Number

Multiple

12
11
4

99
40
72



VF

8a. Fill in the table below with two possible multiples for each number.

Number	Multiples	
7	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="text"/>
12	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>



VF

8b. Fill in the table below with two possible multiples for each number.

Number	Multiples	
8	<input type="text"/>	<input type="text"/>
11	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>
9	<input type="text"/>	<input type="text"/>



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Varied Fluency – Multiples – Year 5 Expected

Varied Fluency – Multiples

9a. True or false?

156 is a multiple of 12.



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9b. True or false?

155 is a multiple of 11.



VF

10a. Below is a sequence of multiples.
Fill in the blanks.

90 108 135



VF

10b. Below is a sequence of multiples.
Fill in the blanks.

108 144 168



VF

11a. Match the number to its multiple.

Number

Multiple

6
8
9

78
126
104



VF

11b. Match the number to its multiple.

Number

Multiple

12
11
4

165
60
156



VF

12a. Use related facts to fill in the table below.

Number	x 13	x 14
7		
9		
12		
6		



VF

12b. Use related facts to fill in the table below.

Number	x 14	x 15
8		
11		
4		
9		



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Varied Fluency – Multiples – Year 5 Greater Depth

Varied Fluency – Multiples

Developing

- 1a. False
- 1b. True
- 2a. 8; 14; 18
- 2b. 15; 18; 27
- 3a. 10 and 60; 3 and 15; 2 and 24
- 3b. 5 and 20; 2 and 22; 3 and 27
- 4a. Various answers, for example: 9 and 15 (3); 4 and 12 (2); 40 and 60 (10); 15 and 30 (5).
- 4b. Various answers, for example: 45 and 50 (5); 12 and 22 (2); 18 and 21 (3); 20 and 70 (10).

Expected

- 5a. False
- 5b. True
- 6a. 49; 70; 77; 84
- 6b. 60; 72; 96; 108
- 7a. 6 and 36; 8 and 32; 9 and 27
- 7b. 12 and 72; 11 and 99; 4 and 40
- 8a. Various answers, for example: 28 and 63 (7); 81 and 99 (9); 24 and 48 (12); 42 and 54 (6).
- 8b. Various answers, for example: 16 and 32 (8); 77 and 110 (11); 32 and 40 (4); 27 and 72 (9).

Greater Depth

- 9a. True
- 9b. False
- 10a. 99; 117; 126; 144
- 10b. 120; 132; 156; 180
- 11a. 6 and 78; 8 and 104; 9 and 126
- 11b. 12 and 156; 11 and 165; 4 and 60
- 12a. 91, 98 (7); 117, 126 (9); 156, 168 (12); 78, 84 (6)
- 12b. 112, 120 (8); 154, 165 (11); 56, 60 (4); 126, 135 (9)