

# 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 all numbers up to, including 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

1a. Match the number to its multiple.

Number	Multiple
10	24
3	15
2	60



VF

## Multiples

1b. Match the number to its multiple.

Number	Multiple
5	20
2	27
3	18



VF

2a. True or false?

28 is a multiple of 5.



VF

2b. True or false?

33 is a multiple of 3.



VF

3a. Complete the sequence of multiples.

6  10 12  16



VF

3b. Complete the sequence of multiples.

9 12   21 24



VF

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

Number	Multiples	
3		
2		
10		
5		



VF

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

Number	Multiples	
5		
2		
3		
10		



VF

## Multiples

5a. Match the number to its multiple.

Number

6

8

9

Multiple

27

36

32



VF

## Multiples

5b. Match the number to its multiple.

Number

12

11

4

Multiple

99

40

72



VF

6a. True or false?

81 is a multiple of 8.



VF

6b. True or false?

108 is a multiple of 12.



VF

7a. Complete the sequence of multiples.

42  56 63



VF

7b. Complete the sequence of multiples.

36 48   84



VF

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

Number	Multiples	
7		
9		
12		
6		



VF

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

Number	Multiples	
8		
11		
4		
9		



VF

## Multiples

9a. Match the number to its multiple.

Number	Multiple
6	78
8	98
7	104



VF

## Multiples

9b. Match the number to its multiple.

Number	Multiple
13	165
11	78
9	135



VF

10a. True or false?

156 is a multiple of 12.



VF

10b. True or false?

155 is a multiple of 11.



VF

11a. Complete the sequence of multiples.

90  108   135



VF

11b. Complete the sequence of multiples.

108   144  168



VF

12a. Fill in the table below.

Number	x 13	x 14
7		
9		
12		
6		



VF

12b. Fill in the table below.

Number	x 14	x 15
8		
11		
4		
9		



VF

## Varied Fluency Multiples

### Developing

- 1a. 10 and 60; 3 and 15; 2 and 24
- 2a. False
- 3a. 8; 14; 18
- 4a. Various answers, for example: 9 and 15 (3); 4 and 12 (2); 40 and 60 (10); 15 and 30 (5)

### Expected

- 5a. 6 and 36; 8 and 32; 9 and 27
- 6a. False
- 7a. 49; 70; 77; 84
- 8a. Various answers, for example: 28 and 63 (7); 81 and 99 (9); 24 and 48 (12); 42 and 54 (6)

### Greater Depth

- 9a. 6 and 78; 8 and 104; 7 and 98
- 10a. True
- 11a. 99; 117; 126; 144
- 12a. 91, 98 (7); 117, 126 (9); 156, 168 (12); 78, 84 (6)

## Varied Fluency Multiples

### Developing

- 1b. 5 and 20; 2 and 18; 3 and 27
- 2b. True
- 3b. 15; 18; 27
- 4b. Various answers, for example: 45 and 50 (5); 12 and 22 (2); 18 and 21 (3); 20 and 70 (10)

### Expected

- 5b. 12 and 72; 11 and 99; 4 and 40
- 6b. True
- 7b. 60; 72; 96; 108
- 8b. Various answers, for example: 16 and 32 (8); 77 and 110 (11); 32 and 40 (4); 27 and 72 (9)

### Greater Depth

- 9b. 13 and 78; 11 and 165; 9 and 135
- 10b. False
- 11b. 120; 132; 156; 180
- 12b. 112, 120 (8); 154, 165 (11); 56, 60 (4); 126, 135 (9)