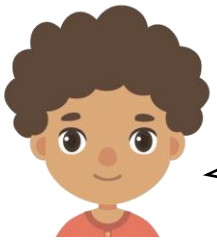
Multiples

1. Circle the numbers below that are multiples of 12.

24 48 94 120 74 108 17 60

VF

2. Dillon says,



84 and 105 are both multiples of 7.

Is he correct?

VF

3. Complete the sequences below.

A. 99 90 81 ☐ ☐ 54 ☐

B. 36 ☐ 48 54 ☐ ☐ 72

C. 36 40 44 ☐ 52 ☐ ☐

D. ☐ ☐ 72 84 ☐ 108 ☐

VF

4. Nancy and Marley are each thinking of a number.



Nancy

My number is a multiple of 7 and 3. It is a number between 20 and 50.

My number is a multiple of 4 and 9. It is an even number that is less than 80.



Marley

What could their numbers be?

Find two possibilities.

PS

5. Which is the odd one out? Prove it.

8 64 32 80 56 28 48 40 96 72 16

R

6. Phoebe has been using part of a hundred square to identify multiples. She has shaded the multiples of 7 and circled multiples of 8.

54	55	56	57	58
64	65	66	67	68
74	75	76	77	78
84	85	86	87	88
94	95	96	97	98

What mistake(s) has Phoebe made? Convince me.

R

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Multiples

1. 24, 48, 60, 108, 120

2. Dillon is correct; both 84 and 105 are multiples of 7. 84 is the product of 12 x 7 and 105 is the product of 15 x 7.

3. A. 72, 63, 45; B. 42, 60, 66; C. 48, 56, 60; D. 48, 60, 96, 120.

4. Nancy's number is 21 or 42; Marley's number is 36 or 72.

5. 28 is the odd one out because it is the only number that is not a multiple of 8. All the other numbers are multiples of 8.

6. Phoebe has incorrectly identified 54 as a multiple of 7; the correct multiple of 7 is 56 as this is the product of 7 and 8. She has also incorrectly identified 76 as a multiple of 8. All other multiples of 7 and 8 on the hundred square section have been identified correctly.

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