Divisibility Rule for 6

A) State whether the numbers are divisible by 6.

1) 2,376   _____

2) 6,431   _____

3) 91,403   _____

4) 582   _____

B) 1) Which of the following numbers is divisible by 6?

a) 769   b) 8,527   c) 450   d) 13,814
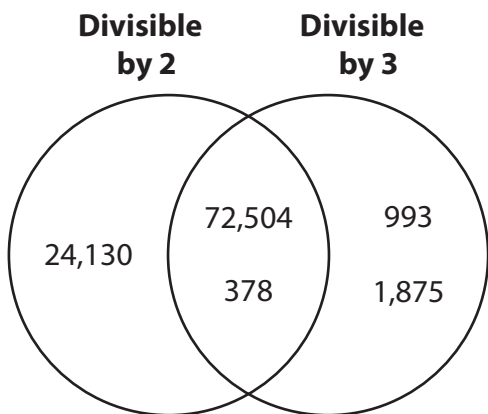
2) Which of the following numbers is not divisible by 6?

a) 30,006   b) 52,628   c) 9,672   d) 282

C) Observe the venn diagram and list out the numbers that are divisible by 6.

Divisible by 2   **Divisible by 3**

24,130   72,504   993
          378   1,875

_____

D) Victor, a food stand owner, prepared and steamed 354 fresh dumplings. He sold them in plates, and each plate contained 6 dumplings. Did any dumplings remain?

_____

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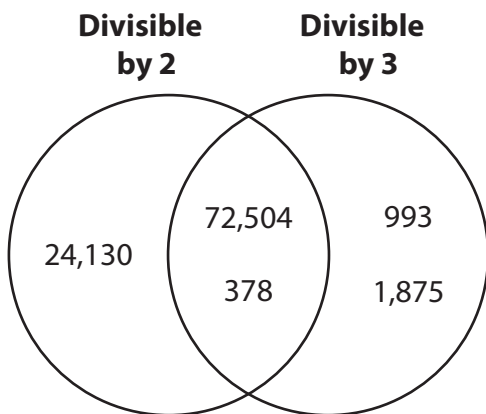
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**Divisible
by 2**　　　**Divisible
by 3**

24,130　　72,504　　993

378　　1,875

_____**72,504 ; 378**_____

D) Victor, a food stand owner, prepared and steamed 354 fresh dumplings. He sold them in plates, and each plate contained 6 dumplings. Did any dumplings remain?

No, they didn't because 354 is divisible by 6.

Divisibility Rule for 6

A) State whether the numbers are divisible by 6.

1) 61,579 _____

2) 360 _____

3) 80,904 _____

4) 1,345 _____

B) 1) Which of the following numbers is not divisible by 6?

a) 174   b) 5,580   c) 7,662   d) 47,513
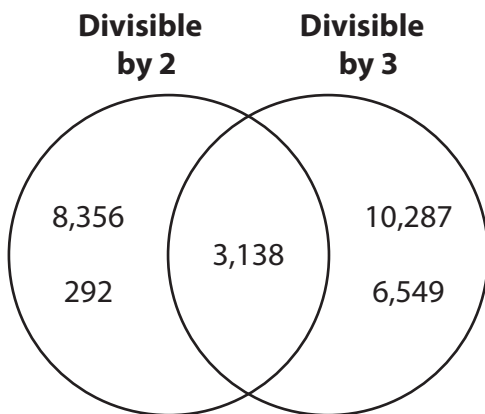
2) Which of the following numbers is divisible by 6?

a) 9,822   b) 23,056   c) 647   d) 591

C) Observe the venn diagram and list out the numbers that are divisible by 6.

Divisible
by 2

Divisible
by 3

8,356   10,287

3,138

292   6,549

_____

D) There are 30,564 marbles ready for dispatch at a factory. Can the marbles be stacked in 6 large packets equally so no marble remains left out?

_____

Answer Key

Divisibility Rule for 6

A) State whether the numbers are divisible by 6.

1) 61,579 _____**not divisible**_____   2) 360 _____**divisible**_____

3) 80,904 _____**divisible**_____   4) 1,345 _____**not divisible**_____

B) 1) Which of the following numbers is not divisible by 6?

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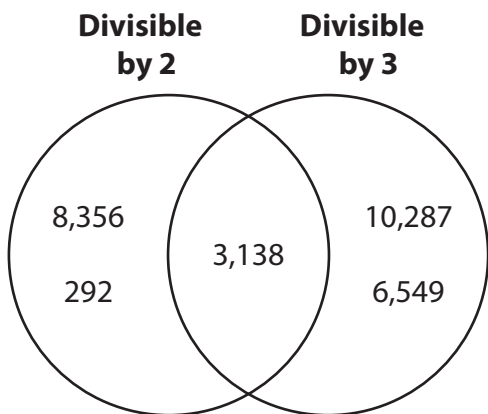
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Divisible by 2   **Divisible by 3**

8,356   10,287

3,138

292   6,549   _____**3,138**_____

D) There are 30,564 marbles ready for dispatch at a factory. Can the marbles be stacked in 6 large packets equally so no marble remains left out?

Yes, they can be because 30,564 is divisible by 6.

Divisibility Rule for 6

A) State whether the numbers are divisible by 6.

1) 498 _____

2) 71,682 _____

3) 8,625 _____

4) 554 _____

B) 1) Which of the following numbers is divisible by 6?

a) 96,381   b) 4,710   c) 63,757   d) 212

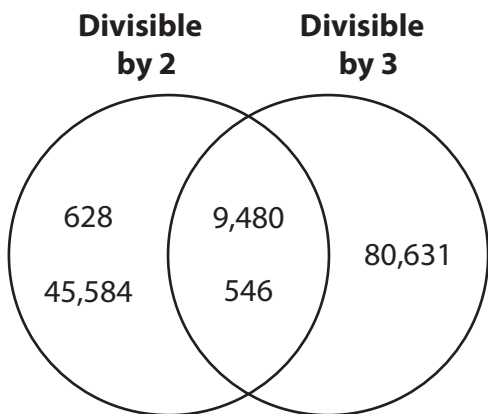2) Which of the following numbers is not divisible by 6?

a) 1,458   b) 834   c) 7,800   d) 35,206

C) Observe the venn diagram and list out the numbers that are divisible by 6.

Divisible by 2   **Divisible by 3**

628   9,480
              80,631
45,584   546

_____

D) Joel, a farmer, wants to plant 493 cabbages in his field. Can he plant them in rows of 6 so there are no seeds left?

_____

Answer Key

Divisibility Rule for 6

A) State whether the numbers are divisible by 6.

1) 498 _____**divisible**_____   2) 71,682 _____**divisible**_____

3) 8,625 _____**not divisible**_____   4) 554 _____**not divisible**_____

B) 1) Which of the following numbers is divisible by 6?

a) 96,381   b) 4,710   c) 63,757   d) 212
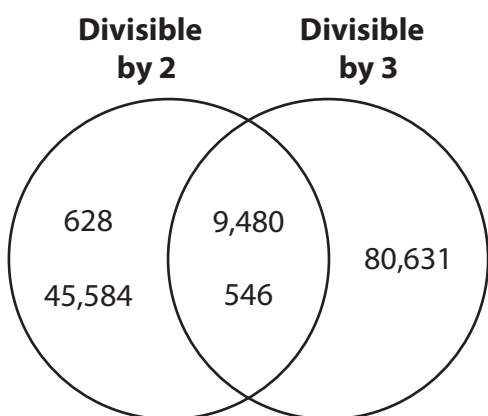
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a) 1,458   b) 834   c) 7,800   d) 35,206

C) Observe the venn diagram and list out the numbers that are divisible by 6.

Divisible by 2   **Divisible by 3**

628   9,480   80,631

45,584   546

9,480 ; 546

D) Joel, a farmer, wants to plant 493 cabbages in his field. Can he plant them in rows of 6 so there are no seeds left?

No, he can't because 493 is not divisible by 6.