

Name: _____

Score: _____

Divisibility Rule - 12

L2S10

Underline the correct choice:

1) 124524

- a) Sum of the digits is **18 / 24 / 52**.
- b) 124524 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 124524 is **divisible / not divisible** by 4.
- e) 124524 is **divisible / not divisible** by 12.

2) 72341

- a) Sum of the digits is **14 / 17 / 41**.
- b) 72341 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 72341 is **divisible / not divisible** by 4.
- e) 72341 is **divisible / not divisible** by 12.

3) 456272

- a) Sum of the digits is **21 / 24 / 30**.
- b) 456272 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 456272 is **divisible / not divisible** by 4.
- e) 456272 is **divisible / not divisible** by 12.

- a) Sum of the digits is **12 / 30**.
- b) 72341 is **not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 72341 is **not divisible** by 4.
- e) 72341 is **not divisible** by 12.

5) 81240

- a) Sum of the digits is **12 / 18 / 21**.
- b) 81240 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 81240 is **divisible / not divisible** by 4.
- e) 81240 is **divisible / not divisible** by 12.

- a) Sum of the digits is **12 / 30**.
- b) 72341 is **not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 72341 is **not divisible** by 4.
- e) 72341 is **not divisible** by 12.

7) 218022

- a) Sum of the digits is **12 / 18 / 21**.
- b) 218022 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 218022 is **divisible / not divisible** by 4.
- e) 218022 is **divisible / not divisible** by 12.

- a) Sum of the digits is **12 / 30**.
- b) 72341 is **not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 72341 is **not divisible** by 4.
- e) 72341 is **not divisible** by 12.

9) 426240

- a) Sum of the digits is **18 / 40 / 42**.
- b) 426240 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 426240 is **divisible / not divisible** by 4.
- e) 426240 is **divisible / not divisible** by 12.

10) 543261

- a) Sum of the digits is **21 / 32 / 61**.
- b) 543261 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 543261 is **divisible / not divisible** by 4.
- e) 543261 is **divisible / not divisible** by 12.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 12

L2S10

1) 124524

- a) Sum of the digits is **18** / **24** / **52**.
- b) 124524 is **divisible** / **not divisible** by 3.
- c) Last two digits are **divisible** / **not divisible** by 4.
- d) 124524 is **divisible** / **not divisible** by 4.
- e) 124524 is **divisible** / **not divisible** by 12.

2) 72341

- a) Sum of the digits is **14** / **17** / **41**.
- b) 72341 is **divisible** / **not divisible** by 3.
- c) Last two digits are **divisible** / **not divisible** by 4.
- d) 72341 is **divisible** / **not divisible** by 4.
- e) 72341 is **divisible** / **not divisible** by 12.

3) 456272

- a) Sum of the digits is **2**
- b) 456272 is **divisible** /
- c) Last two digits are **di**
- d) 456272 is **divisible** /
- e) 456272 is **divisible** /

- 12** / **30**.
- t divisible** by 3.
- isible** / **not divisible** by 4.
- t divisible** by 4.
- t divisible** by 12.

5) 81240

- a) Sum of the digits is **1**
- b) 81240 is **divisible** / **n**
- c) Last two digits are **di**
- d) 81240 is **divisible** / **n**
- e) 81240 is **divisible** / **n**

- / 53** / **87**.
- ot divisible** by 3.
- isible** / **not divisible** by 4.
- ot divisible** by 4.
- ot divisible** by 12.

7) 218022

- a) Sum of the digits is **1**
- b) 218022 is **divisible** /
- c) Last two digits are **di**
- d) 218022 is **divisible** /
- e) 218022 is **divisible** /

- / 32** / **72**.
- ot divisible** by 3.
- isible** / **not divisible** by 4.
- ot divisible** by 4.
- ot divisible** by 12.

9) 426240

- a) Sum of the digits is **18** / **40** / **42**.
- b) 426240 is **divisible** / **not divisible** by 3.
- c) Last two digits are **divisible** / **not divisible** by 4.
- d) 426240 is **divisible** / **not divisible** by 4.
- e) 426240 is **divisible** / **not divisible** by 12.

10) 543261

- a) Sum of the digits is **21** / **32** / **61**.
- b) 543261 is **divisible** / **not divisible** by 3.
- c) Last two digits are **divisible** / **not divisible** by 4.
- d) 543261 is **divisible** / **not divisible** by 4.
- e) 543261 is **divisible** / **not divisible** by 12.

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