

Name: _____

Score: _____

Divisibility Rule - 2

L2S1

Underline the correct choice:

1) 3356

- a) Last digit is an **even** / **odd** number.
- b) 3356 is **divisible** / **not divisible** by 2.

2) 7851

- a) Last digit is an **even** / **odd** number.
- b) 7851 is **divisible** / **not divisible** by 2.

3) 20317

- a) Last digit is an **even** / **odd** number.
- b) 20317 is **divisible** / **not divisible** by 2.

5) 5466

- a) Last digit is an **even** / **odd** number.
- b) 5466 is **divisible** / **not divisible** by 2.

7) 75209

- a) Last digit is an **even** / **odd** number.
- b) 75209 is **divisible** / **not divisible** by 2.

9) 3250

- a) Last digit is an **even** / **odd** number.
- b) 3250 is **divisible** / **not divisible** by 2.

11) 2797

- a) Last digit is an **even** / **odd** number.
- b) 2797 is **divisible** / **not divisible** by 2.

12) 5563

- a) Last digit is an **even** / **odd** number.
- b) 5563 is **divisible** / **not divisible** by 2.

13) 41126

- a) Last digit is an **even** / **odd** number.
- b) 41126 is **divisible** / **not divisible** by 2.

14) 73214

- a) Last digit is an **even** / **odd** number.
- b) 73214 is **divisible** / **not divisible** by 2.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 2

L2S1

1) 3356

- a) Last digit is an **even** / **odd** number.
- b) 3356 is **divisible** / **not divisible** by 2.

2) 7851

- a) Last digit is an **even** / **odd** number.
- b) 7851 is **divisible** / **not divisible** by 2.

3) 20317

- a) Last digit is an **even** / **odd** number.
- b) 20317 is **divisible** / **not divisible** by 2.

- a) Last digit is an **even** / **odd** number.
- b) 20317 is **divisible** / **not divisible** by 2.

5) 5466

- a) Last digit is an **even** / **odd** number.
- b) 5466 is **divisible** / **not divisible** by 2.

- a) Last digit is an **even** / **odd** number.
- b) 5466 is **divisible** / **not divisible** by 2.

7) 75209

- a) Last digit is an **even** / **odd** number.
- b) 75209 is **divisible** / **not divisible** by 2.

- a) Last digit is an **even** / **odd** number.
- b) 75209 is **divisible** / **not divisible** by 2.

9) 3250

- a) Last digit is an **even** / **odd** number.
- b) 3250 is **divisible** / **not divisible** by 2.

- a) Last digit is an **even** / **odd** number.
- b) 3250 is **divisible** / **not divisible** by 2.

11) 2797

- a) Last digit is an **even** / **odd** number.
- b) 2797 is **divisible** / **not divisible** by 2.

12) 5563

- a) Last digit is an **even** / **odd** number.
- b) 5563 is **divisible** / **not divisible** by 2.

13) 41126

- a) Last digit is an **even** / **odd** number.
- b) 41126 is **divisible** / **not divisible** by 2.

14) 73214

- a) Last digit is an **even** / **odd** number.
- b) 73214 is **divisible** / **not divisible** by 2.

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Name: _____

Score: _____

Divisibility Rule - 3

L2S2

Underline the correct choice:

1) 3422

a) Sum of the digits is 2 / 11 / 22.

b) 3422 is divisible / not divisible by 3.

2) 2655

a) Sum of the digits is 5 / 18 / 55.

b) 2655 is divisible / not divisible by 3.

3) 10240

a) Sum of the digits is 18 / 45 / 72.

b) 10240 is divisible / not divisible by 3.

5) 7224

a) Sum of the digits is 7 / 11 / 32.

b) 7224 is divisible / not divisible by 3.

7) 5412

a) Sum of the digits is 2 / 6 / 9.

b) 5412 is divisible / not divisible by 3.

9) 91400

a) Sum of the digits is 11 / 21 / 22.

b) 91400 is divisible / not divisible by 3.

11) 3204

a) Sum of the digits is 4 / 8 / 9.

b) 3204 is divisible / not divisible by 3.

12) 50311

a) Sum of the digits is 1 / 10 / 11.

b) 50311 is divisible / not divisible by 3.

13) 2067

a) Sum of the digits is 7 / 15 / 67.

b) 2067 is divisible / not divisible by 3.

14) 1125

a) Sum of the digits is 5 / 9 / 25.

b) 1125 is divisible / not divisible by 3.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 3

L2S2

1) 3422

a) Sum of the digits is **2** / **11** / **22**.

b) 3422 is **divisible** / **not divisible** by 3.

2) 2655

a) Sum of the digits is **5** / **18** / **55**.

b) 2655 is **divisible** / **not divisible** by 3.

3) 10240

a) Sum of the digits is **18** / **45** / **72**.

b) 10240 is **divisible** / **not divisible** by 3.

5) 7224

a) Sum of the digits is **7** / **11** / **32**.

b) 7224 is **divisible** / **not divisible** by 3.

7) 5412

a) Sum of the digits is **2** / **6** / **9**.

b) 5412 is **divisible** / **not divisible** by 3.

9) 91400

a) Sum of the digits is **11** / **21** / **22**.

b) 91400 is **divisible** / **not divisible** by 3.

11) 3204

a) Sum of the digits is **4** / **8** / **9**.

b) 3204 is **divisible** / **not divisible** by 3.

12) 50311

a) Sum of the digits is **1** / **10** / **11**.

b) 50311 is **divisible** / **not divisible** by 3.

13) 2067

a) Sum of the digits is **7** / **15** / **67**.

b) 2067 is **divisible** / **not divisible** by 3.

14) 1125

a) Sum of the digits is **5** / **9** / **25**.

b) 1125 is **divisible** / **not divisible** by 3.

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Name: _____

Score: _____

Divisibility Rule - 4

L2S3

Underline the correct choice:

1) 54216

a) Last two digits are **divisible** / **not divisible** by 4.

b) 54216 is **divisible** / **not divisible** by 4.

2) 12240

a) Last two digits are **divisible** / **not divisible** by 4.

b) 12240 is **divisible** / **not divisible** by 4.

3) 243239

a) Last two digits are **divisible** / **not divisible** by 4.

b) 243239 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

5) 802325

a) Last two digits are **divisible** / **not divisible** by 4.

b) 802325 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

7) 701824

a) Last two digits are **divisible** / **not divisible** by 4.

b) 701824 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

9) 61221

a) Last two digits are **divisible** / **not divisible** by 4.

b) 61221 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

11) 83436

a) Last two digits are **divisible** / **not divisible** by 4.

b) 83436 is **divisible** / **not divisible** by 4.

a) Last two digits are **divisible** / **not divisible** by 4.

b) 91647 is **divisible** / **not divisible** by 4.

13) 20404

a) Last two digits are **divisible** / **not divisible** by 4.

b) 20404 is **divisible** / **not divisible** by 4.

14) 52512

a) Last two digits are **divisible** / **not divisible** by 4.

b) 52512 is **divisible** / **not divisible** by 4.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 4

L253

1) 54216

a) Last two digits are **divisible** / **not divisible** by 4.

b) 54216 is **divisible** / **not divisible** by 4.

2) 12240

a) Last two digits are **divisible** / **not divisible** by 4.

b) 12240 is **divisible** / **not divisible** by 4.

3) 243239

a) Last two digits are **not divisible** / **divisible** by 4.

b) 243239 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

5) 802325

a) Last two digits are **not divisible** / **divisible** by 4.

b) 802325 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

7) 701824

a) Last two digits are **divisible** / **not divisible** by 4.

b) 701824 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

9) 61221

a) Last two digits are **not divisible** / **divisible** by 4.

b) 61221 is **divisible** / **not divisible** by 4.

divisible / **not divisible** by 4.

not divisible by 4.

11) 83436

a) Last two digits are **divisible** / **not divisible** by 4.

b) 83436 is **divisible** / **not divisible** by 4.

a) Last two digits are **divisible** / **not divisible** by 4.

b) 91647 is **divisible** / **not divisible** by 4.

13) 20404

a) Last two digits are **divisible** / **not divisible** by 4.

b) 20404 is **divisible** / **not divisible** by 4.

14) 52512

a) Last two digits are **divisible** / **not divisible** by 4.

b) 52512 is **divisible** / **not divisible** by 4.

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Name: _____

Score: _____

Divisibility Rule - 5

L2S4

Fill in the blanks or underline the correct choice:

1) 4260

- a) The last digit is _____ .
b) 4260 is **divisible** / **not divisible** by 5.

2) 2545

- a) The last digit is _____ .
b) 2545 is **divisible** / **not divisible** by 5.

3) 52246

- a) The last digit is _____ .
b) 52246 is **divisible** / **not divisible** by 5.

5) 17805

- a) The last digit is _____ .
b) 17805 is **divisible** / **not divisible** by 5.

7) 4231

- a) The last digit is _____ .
b) 4231 is **divisible** / **not divisible** by 5.

9) 90830

- a) The last digit is _____ .
b) 90830 is **divisible** / **not divisible** by 5.

11) 6549

- a) The last digit is _____ .
b) 6549 is **divisible** / **not divisible** by 5.

12) 82575

- a) The last digit is _____ .
b) 82575 is **divisible** / **not divisible** by 5.

13) 24000

- a) The last digit is _____ .
b) 24000 is **divisible** / **not divisible** by 5.

14) 1984

- a) The last digit is _____ .
b) 1984 is **divisible** / **not divisible** by 5.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 5

L2S4

1) 4260

a) The last digit is 0 .

b) 4260 is **divisible** / **not divisible** by 5.

2) 2545

a) The last digit is 5 .

b) 2545 is **divisible** / **not divisible** by 5.

3) 52246

a) The last digit is 6 .

b) 52246 is **divisible** / **not divisible** by 5.

5) 17805

a) The last digit is 5 .

b) 17805 is **divisible** / **not divisible** by 5.

7) 4231

a) The last digit is 1 .

b) 4231 is **divisible** / **not divisible** by 5.

9) 90830

a) The last digit is 0 .

b) 90830 is **divisible** / **not divisible** by 5.

11) 6549

a) The last digit is 9 .

b) 6549 is **divisible** / **not divisible** by 5.

12) 82575

a) The last digit is 5 .

b) 82575 is **divisible** / **not divisible** by 5.

13) 24000

a) The last digit is 0 .

b) 24000 is **divisible** / **not divisible** by 5.

14) 1984

a) The last digit is 4 .

b) 1984 is **divisible** / **not divisible** by 5.

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Name: _____

Score: _____

Divisibility Rule - 6

L2S5

Underline the correct choice:

1) 2745

- a) Last digit is an **even** / **odd** number.
- b) 2745 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **5** / **18** / **45**.
- d) 2745 is **divisible** / **not divisible** by 3.
- e) 2745 is **divisible** / **not divisible** by 6.

2) 7621

- a) Last digit is an **even** / **odd** number.
- b) 7621 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **16** / **21** / **62**.
- d) 7621 is **divisible** / **not divisible** by 3.
- e) 7621 is **divisible** / **not divisible** by 6.

3) 5628

- a) Last digit is an **even** / **odd** number.
- b) 5628 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **14** / **16** / **41**.
- d) 5628 is **divisible** / **not divisible** by 3.
- e) 5628 is **divisible** / **not divisible** by 6.

5) 6720

- a) Last digit is an **even** / **odd** number.
- b) 6720 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **6** / **15** / **46**.
- d) 6720 is **divisible** / **not divisible** by 3.
- e) 6720 is **divisible** / **not divisible** by 6.

7) 34212

- a) Last digit is an **even** / **odd** number.
- b) 34212 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **12** / **32** / **45**.
- d) 12 is **divisible** / **not divisible** by 3.
- e) 12 is **divisible** / **not divisible** by 6.

9) 2381

- a) Last digit is an **even** / **odd** number.
- b) 2381 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **14** / **23** / **81**.
- d) 2381 is **divisible** / **not divisible** by 3.
- e) 2381 is **divisible** / **not divisible** by 6.

10) 1068

- a) Last digit is an **even** / **odd** number.
- b) 1068 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **8** / **15** / **68**.
- d) 1068 is **divisible** / **not divisible** by 3.
- e) 1068 is **divisible** / **not divisible** by 6.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 6

L2S5

1) 2745

- a) Last digit is an **even** / **odd** number.
- b) 2745 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **5** / **18** / **45**.
- d) 2745 is **divisible** / **not divisible** by 3.
- e) 2745 is **divisible** / **not divisible** by 6.

2) 7621

- a) Last digit is an **even** / **odd** number.
- b) 7621 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **16** / **21** / **62**.
- d) 7621 is **divisible** / **not divisible** by 3.
- e) 7621 is **divisible** / **not divisible** by 6.

3) 5628

- a) Last digit is an **even** / **odd** number.
- b) 5628 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **14** / **16** / **41**.
- d) 5628 is **divisible** / **not divisible** by 3.
- e) 5628 is **divisible** / **not divisible** by 6.

5) 6720

- a) Last digit is an **even** / **odd** number.
- b) 6720 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **6** / **15** / **46**.
- d) 6720 is **divisible** / **not divisible** by 3.
- e) 6720 is **divisible** / **not divisible** by 6.

7) 34212

- a) Last digit is an **even** / **odd** number.
- b) 34212 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **12** / **32** / **45**.
- d) 12 is **divisible** / **not divisible** by 3.
- e) 12 is **divisible** / **not divisible** by 6.

- e) 4532 is **divisible** / **not divisible** by 6.

9) 2381

- a) Last digit is an **even** / **odd** number.
- b) 2381 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **14** / **23** / **81**.
- d) 2381 is **divisible** / **not divisible** by 3.
- e) 2381 is **divisible** / **not divisible** by 6.

10) 1068

- a) Last digit is an **even** / **odd** number.
- b) 1068 is **divisible** / **not divisible** by 2.
- c) Sum of the digits is **8** / **15** / **68**.
- d) 1068 is **divisible** / **not divisible** by 3.
- e) 1068 is **divisible** / **not divisible** by 6.

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Name: _____

Score: _____

Divisibility Rule - 8

L2S6

Underline the correct choice:

1) 564371 a) Last three digits are divisible / not divisible by 8. b) 564371 is divisible / not divisible by 8.	2) 167200 a) Last three digits are divisible / not divisible by 8. b) 167200 is divisible / not divisible by 8.
3) 4522678 a) Last three digits are b) 4522678 is divisible	4) 356720 a) Last three digits are divisible / not divisible by 8. b) 356720 is not divisible by 8.
5) 7645320 a) Last three digits are b) 764320 is divisible /	6) 1234567 a) Last three digits are divisible / not divisible by 8. b) 1234567 is not divisible by 8.
7) 567342 a) Last three digits are b) 567432 is divisible /	8) 9876543 a) Last three digits are divisible / not divisible by 8. b) 9876543 is not divisible by 8.
9) 3240016 a) Last three digits are b) 3240016 is divisible	10) 12345678 a) Last three digits are divisible / not divisible by 8. b) 12345678 is not divisible by 8.
11) 982314 a) Last three digits are divisible / not divisible by 8. b) 982314 is divisible / not divisible by 8.	12) 3752 a) Last three digits are divisible / not divisible by 8. b) 3752 is divisible / not divisible by 8.
13) 723456 a) Last three digits are divisible / not divisible by 8. b) 723456 is divisible / not divisible by 8.	14) 108057 a) Last three digits are divisible / not divisible by 8. b) 108057 is divisible / not divisible by 8.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 8

L2S6

1) 564371

a) Last three digits are **divisible** / **not divisible** by 8.

b) 564371 is **divisible** / **not divisible** by 8.

2) 167200

a) Last three digits are **divisible** / **not divisible** by 8.

b) 167200 is **divisible** / **not divisible** by 8.

3) 4522678

a) Last three digits are

b) 4522678 is **divisible**

divisible / **not divisible** by 8.

not divisible by 8.

5) 7645320

a) Last three digits are

b) 764320 is **divisible** /

divisible / **not divisible** by 8.

not divisible by 8.

7) 567342

a) Last three digits are

b) 567432 is **divisible** /

divisible / **not divisible** by 8.

not divisible by 8.

9) 3240016

a) Last three digits are

b) 3240016 is **divisible**

divisible / **not divisible** by 8.

not divisible by 8.

11) 982314

a) Last three digits are **divisible** / **not divisible** by 8.

b) 982314 is **divisible** / **not divisible** by 8.

a) Last three digits are **divisible** / **not divisible** by 8.

b) 3752 is **divisible** / **not divisible** by 8.

13) 723456

a) Last three digits are **divisible** / **not divisible** by 8.

b) 723456 is **divisible** / **not divisible** by 8.

14) 108057

a) Last three digits are **divisible** / **not divisible** by 8.

b) 108057 is **divisible** / **not divisible** by 8.

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Name: _____

Score: _____

Divisibility Rule - 9

L2S7

Underline the correct choice:

1) 452241

- a) Sum of the digits is **18 / 41 / 45**.
b) 452241 is **divisible / not divisible** by 9.

2) 263120

- a) Sum of the digits is **12 / 14 / 20**.
b) 263120 is **divisible / not divisible** by 9.

3) 2314561

- a) Sum of the digits is **8 / 9 / 41**.
b) 2314561 is **divisible / not divisible** by 9.

5) 532449

- a) Sum of the digits is **15 / 30 / 32**.
b) 532449 is **divisible / not divisible** by 9.

7) 320214

- a) Sum of the digits is **23 / 27 / 76**.
b) 320214 is **divisible / not divisible** by 9.

9) 564345

- a) Sum of the digits is **4 / 24 / 35**.
b) 564345 is **divisible / not divisible** by 9.

11) 454467

- a) Sum of the digits is **30 / 46 / 67**.
b) 454467 is **divisible / not divisible** by 9.

12) 908091

- a) Sum of the digits is **9 / 27 / 91**.
b) 908091 is **divisible / not divisible** by 9.

13) 342072

- a) Sum of the digits is **18 / 20 / 72**.
b) 342072 is **divisible / not divisible** by 9.

14) 232114

- a) Sum of the digits is **13 / 14 / 21**.
b) 232114 is **divisible / not divisible** by 9.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 9

L2S7

1) 452241

- a) Sum of the digits is **18 / 41 / 45**.
b) 452241 is **divisible / not divisible** by 9.

2) 263120

- a) Sum of the digits is **12 / 14 / 20**.
b) 263120 is **divisible / not divisible** by 9.

3) 2314561

- a) Sum of the digits is **8 / 9 / 41**.
b) 2314561 is **divisible / not divisible** by 9.

- a) Sum of the digits is **8 / 9 / 41**.
b) 2314561 is **divisible / not divisible** by 9.

5) 532449

- a) Sum of the digits is **15 / 30 / 32**.
b) 532449 is **divisible / not divisible** by 9.

- a) Sum of the digits is **15 / 30 / 32**.
b) 532449 is **divisible / not divisible** by 9.

7) 320214

- a) Sum of the digits is **23 / 27 / 76**.
b) 320214 is **divisible / not divisible** by 9.

- a) Sum of the digits is **23 / 27 / 76**.
b) 320214 is **divisible / not divisible** by 9.

9) 564345

- a) Sum of the digits is **4 / 24 / 35**.
b) 564345 is **divisible / not divisible** by 9.

- a) Sum of the digits is **4 / 24 / 35**.
b) 564345 is **divisible / not divisible** by 9.

11) 454467

- a) Sum of the digits is **30 / 46 / 67**.
b) 454467 is **divisible / not divisible** by 9.

12) 908091

- a) Sum of the digits is **9 / 27 / 91**.
b) 908091 is **divisible / not divisible** by 9.

13) 342072

- a) Sum of the digits is **18 / 20 / 72**.
b) 342072 is **divisible / not divisible** by 9.

14) 232114

- a) Sum of the digits is **13 / 14 / 21**.
b) 232114 is **divisible / not divisible** by 9.

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Name: _____

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Divisibility Rule - 10

L2S8

Fill in the blanks or underline the correct choice:

1) 23866

- a) The last digit is _____ .
b) 23866 is **divisible** / **not divisible** by 10.

2) 50980

- a) The last digit is _____ .
b) 50980 is **divisible** / **not divisible** by 10.

3) 126720

- a) The last digit is _____ .
b) 126720 is **divisible** / **not divisible** by 10.

5) 80955

- a) The last digit is _____ .
b) 80955 is **divisible** / **not divisible** by 10.

7) 28445

- a) The last digit is _____ .
b) 28445 is **divisible** / **not divisible** by 10.

9) 32160

- a) The last digit is _____ .
b) 32165 is **divisible** / **not divisible** by 10.

11) 536732

- a) The last digit is _____ .
b) 536732 is **divisible** / **not divisible** by 10.

12) 10240

- a) The last digit is _____ .
b) 10240 is **divisible** / **not divisible** by 10.

13) 61170

- a) The last digit is _____ .
b) 61170 is **divisible** / **not divisible** by 10.

14) 20685

- a) The last digit is _____ .
b) 20685 is **divisible** / **not divisible** by 10.

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Answer key

Divisibility Rule - 10

L2S8

1) 23866

a) The last digit is 6 .

b) 23866 is **divisible** / **not divisible** by 10.

2) 50980

a) The last digit is 0 .

b) 50980 is **divisible** / **not divisible** by 10.

3) 126720

a) The last digit is 0 .

b) 126720 is **divisible** / **not divisible** by 10.

1 .

/ **not divisible** by 10.

5) 80955

a) The last digit is 5 .

b) 80955 is **divisible** / **not divisible** by 10.

0 .

/ **not divisible** by 10.

7) 28445

a) The last digit is 5 .

b) 28445 is **divisible** / **not divisible** by 10.

0 .

e / **not divisible** by 10.

9) 32160

a) The last digit is 0 .

b) 32165 is **divisible** / **not divisible** by 10.

8 .

e / **not divisible** by 10.

11) 536732

a) The last digit is 2 .

b) 536732 is **divisible** / **not divisible** by 10.

12) 10240

a) The last digit is 0 .

b) 10240 is **divisible** / **not divisible** by 10.

13) 61170

a) The last digit is 0 .

b) 61170 is **divisible** / **not divisible** by 10.

14) 20685

a) The last digit is 5 .

b) 20685 is **divisible** / **not divisible** by 10.

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Name: _____

Score: _____

Divisibility Rule - 11

L2S9

Fill in the blanks or underline the correct choice:

1) 241021

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 241021 is **divisible** / **not divisible** by 11.

2) 43672

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.

3) 68084

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 68084 is **divisible** / **not divisible** by 11.

5) 737055

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 737055 is **divisible** / **not divisible** by 11.

7) 624426

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 624426 is **divisible** / **not divisible** by 11.

9) 81210

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 81210 is **divisible** / **not divisible** by 11.

11) 34265

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 8195 is **divisible** / **not divisible** by 11.

12) 75366

- a) Sum of the even places = _____.
- b) Sum of the odd places = _____.
- c) Difference = _____.
- d) 75366 is **divisible** / **not divisible** by 11.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 11

L2S9

1) 241021

- a) Sum of the even places = 5 .
- b) Sum of the odd places = 5 .
- c) Difference = 0 .
- d) 241021 is **divisible** / **not divisible** by 11.

2) 43672

- a) Sum of the even places = 10 .
- b) Sum of the odd places = 12 .
- c) Difference = 2 .

3) 68084

- a) Sum of the even places = 14 .
- b) Sum of the odd places = 14 .
- c) Difference = 0 .
- d) 68084 is **divisible** / **not divisible** by 11.

5) 737055

- a) Sum of the even places = 7 .
- b) Sum of the odd places = 14 .
- c) Difference = 7 .
- d) 737055 is **divisible** / **not divisible** by 11.

7) 624426

- a) Sum of the even places = 14 .
- b) Sum of the odd places = 14 .
- c) Difference = 0 .
- d) 624426 is **divisible** / **not divisible** by 11.

9) 81210

- a) Sum of the even places = 15 .
- b) Sum of the odd places = 10 .
- c) Difference = 8 .
- d) 81210 is **divisible** / **not divisible** by 11.

- a) Sum of the even places = 15 .
- b) Sum of the odd places = 15 .
- c) Difference = 0 .
- d) 75366 is **divisible** / **not divisible** by 11.

11) 34265

- a) Sum of the even places = 10 .
- b) Sum of the odd places = 10 .
- c) Difference = 0 .
- d) 8195 is **divisible** / **not divisible** by 11.

12) 75366

- a) Sum of the even places = 11 .
- b) Sum of the odd places = 16 .
- c) Difference = 5 .
- d) 75366 is **divisible** / **not divisible** by 11.

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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 **22 / 26 / 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 **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.

5) 81240

- a) Sum of the digits is **13 / 17 / 23**.
- 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 **13 / 17 / 23**.
- 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.

7) 218022

- a) Sum of the digits is **13 / 17 / 23**.
- 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 **13 / 17 / 23**.
- 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.

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 **26 / 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 **26 / 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.

5) 81240

- a) Sum of the digits is **23 / 27**.
- 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 **23 / 27**.
- 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.

7) 218022

- a) Sum of the digits is **24 / 32 / 72**.
- 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 **24 / 32 / 72**.
- 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.

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: _____

Divisibility Rule - 15

L2S11

Fill in the blanks or underline the correct choice:

1) 245155

- a) Sum of the digits is **5 / 22 / 55**.
- b) 245155 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 245155 is **divisible / not divisible** by 5.
- e) 245155 is **divisible / not divisible** by 15.

2) 16260

- a) Sum of the digits is **15 / 27 / 70**.
- b) 16270 is **divisible / not divisible** by 3.
- c) Last digit is _____

3) 31905

- a) Sum of the digits is _____
- b) 31905 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 31905 is **divisible / not divisible** by 5.
- e) 31905 is **divisible / not divisible** by 15.

5) 89213

- a) Sum of the digits is _____
- b) 89213 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 89213 is **divisible / not divisible** by 5.
- e) 89213 is **divisible / not divisible** by 15.

7) 76215

- a) Sum of the digits is _____
- b) 76215 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 76215 is **divisible / not divisible** by 5.
- e) 76215 is **divisible / not divisible** by 15.

9) 92410

- a) Sum of the digits is **10 / 16 / 41**.
- b) 92410 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 92410 is **divisible / not divisible** by 5.
- e) 92410 is **divisible / not divisible** by 15.

10) 54360

- a) Sum of the digits is **18 / 36 / 60**.
- b) 54360 is **divisible / not divisible** by 3.
- c) Last digit is _____
- d) 54360 is **divisible / not divisible** by 5.
- e) 54360 is **divisible / not divisible** by 15.

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Name: _____

Score: _____

Answer key

Divisibility Rule - 15

L2S11

1) 245155

- a) Sum of the digits is **5 / 22 / 55**.
- b) 245155 is **divisible / not divisible** by 3.
- c) Last digit is **5**.
- d) 245155 is **divisible / not divisible** by 5.
- e) 245155 is **divisible / not divisible** by 15.

2) 16260

- a) Sum of the digits is **15 / 27 / 70**.
- b) 16270 is **divisible / not divisible** by 3.
- c) Last digit is **0**.
- d) 16270 is **divisible / not divisible** by 5.
- e) 16270 is **divisible / not divisible** by 15.

3) 31905

- a) Sum of the digits is **18 / 34 / 47**.
- b) 31905 is **divisible / not divisible** by 3.
- c) Last digit is **5**.
- d) 31905 is **divisible / not divisible** by 5.
- e) 31905 is **divisible / not divisible** by 15.

5) 89213

- a) Sum of the digits is **22 / 30 / 85**.
- b) 89213 is **divisible / not divisible** by 3.
- c) Last digit is **3**.
- d) 89213 is **divisible / not divisible** by 5.
- e) 89213 is **divisible / not divisible** by 15.

7) 76215

- a) Sum of the digits is **22 / 21 / 67**.
- b) 76215 is **divisible / not divisible** by 3.
- c) Last digit is **5**.
- d) 76215 is **divisible / not divisible** by 5.
- e) 76215 is **divisible / not divisible** by 15.

9) 92410

- a) Sum of the digits is **10 / 16 / 41**.
- b) 92410 is **divisible / not divisible** by 3.
- c) Last digit is **0**.
- d) 92410 is **divisible / not divisible** by 5.
- e) 92410 is **divisible / not divisible** by 15.

10) 54360

- a) Sum of the digits is **18 / 36 / 60**.
- b) 54360 is **divisible / not divisible** by 3.
- c) Last digit is **0**.
- d) 54360 is **divisible / not divisible** by 5.
- e) 54360 is **divisible / not divisible** by 15.

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