

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 2**

L1S1

Underline the correct choice:

1) 456

- a) Last digit is an **even / odd** number.
- b) 456 is **divisible / not divisible** by 2.

2) 37

- a) Last digit is an **even / odd** number.
- b) 37 is **divisible / not divisible** by 2.

3) 92

- a) Last digit is an **even / odd** number.
- b) 92 is **divisible / not divisible** by 2.

4) 108

- a) Last digit is an **even / odd** number.
- b) 108 is **divisible / not divisible** by 2.

5) 225

- a) Last digit is an **even / odd** number.
- b) 225 is **divisible / not divisible** by 2.

6) 344

- a) Last digit is an **even / odd** number.
- b) 344 is **divisible / not divisible** by 2.

7) 70

- a) Last digit is an **even / odd** number.
- b) 70 is **divisible / not divisible** by 2.

8) 661

- a) Last digit is an **even / odd** number.
- b) 661 is **divisible / not divisible** by 2.

9) 483

- a) Last digit is an **even / odd** number.
- b) 483 is **divisible / not divisible** by 2.

10) 28

- a) Last digit is an **even / odd** number.
- b) 28 is **divisible / not divisible** by 2.

11) 59

- a) Last digit is an **even / odd** number.
- b) 59 is **divisible / not divisible** by 2.

12) 724

- a) Last digit is an **even / odd** number.
- b) 724 is **divisible / not divisible** by 2.

13) 986

- a) Last digit is an **even / odd** number.
- b) 986 is **divisible / not divisible** by 2.

14) 81

- a) Last digit is an **even / odd** number.
- b) 81 is **divisible / not divisible** by 2.

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 2**

L1S1

1) 456 a) Last digit is an <b>even</b> / <b>odd</b> number b) 456 is <b>divisible</b> / <b>not divisible</b> by 2.	2) 37 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 37 is <b>divisible</b> / <b>not divisible</b> by 2.
3) 92 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 92 is <b>divisible</b> / <b>not divisible</b> by 2.	4) 108 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 108 is <b>divisible</b> / <b>not divisible</b> by 2.
5) 225 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 225 is <b>divisible</b> / <b>not divisible</b> by 2.	6) 344 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 344 is <b>divisible</b> / <b>not divisible</b> by 2.
7) 70 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 70 is <b>not divisible</b> / <b>not divisible</b> by 2.	8) 661 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 661 is <b>divisible</b> / <b>not divisible</b> by 2.
9) 483 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 483 is <b>divisible</b> / <b>not divisible</b> by 2.	10) 28 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 28 is <b>divisible</b> / <b>not divisible</b> by 2.
11) 59 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 59 is <b>divisible</b> / <b>not divisible</b> by 2.	12) 724 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 724 is <b>divisible</b> / <b>not divisible</b> by 2.
13) 986 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 986 is <b>divisible</b> / <b>not divisible</b> by 2.	14) 81 a) Last digit is an <b>even</b> / <b>odd</b> number. b) 81 is <b>divisible</b> / <b>not divisible</b> by 2.

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 3**

L1S2

Underline the correct choice:

1) 24

- a) Sum of the digits is **2 / 6 / 8**.  
b) 24 is **divisible / not divisible** by 3.

2) 356

- a) Sum of the digits is **6 / 14 / 15**.  
b) 356 is **divisible / not divisible** by 3.

3) 136

- a) Sum of the digits is **9 / 20 / 22**.  
b) 136 is **divisible / not divisible** by 3.

5) 75

- a) Sum of the digits is **6 / 8 / 12**.  
b) 75 is **divisible / not divisible** by 3.

7) 106

- a) Sum of the digits is **1 / 7 / 15**.  
b) 106 is **divisible / not divisible** by 3.

9) 45

- a) Sum of the digits is **1 / 8 / 12**.  
b) 45 is **divisible / not divisible** by 3.

11) 806

- a) Sum of the digits is **6 / 8 / 14**.  
b) 806 is **divisible / not divisible** by 3.

12) 546

- a) Sum of the digits is **6 / 15 / 46**.  
b) 546 is **divisible / not divisible** by 3.

13) 184

- a) Sum of the digits is **4 / 13 / 32**.  
b) 184 is **divisible / not divisible** by 3.

14) 92

- a) Sum of the digits is **2 / 11 / 18**.  
b) 92 is **divisible / not divisible** by 3.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 3**

L1S2

1) 24

- a) Sum of the digits is **2 / 6 / 8**.  
b) 24 is **divisible** / **not divisible** by 3.

2) 356

- a) Sum of the digits is **6 / 14 / 15**.  
b) 356 is **divisible** / **not divisible** by 3.

3) 136

- a) Sum of the digits is **10**.  
b) 136 is **divisible** / **not divisible** by 3.

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- a) Sum of the digits is **9 / 20 / 22**.  
b) 136 is **divisible** / **not divisible** by 3.

5) 75

- a) Sum of the digits is **12**.  
b) 75 is **divisible** / **not divisible** by 3.

- a) Sum of the digits is **6 / 8 / 12**.  
b) 75 is **divisible** / **not divisible** by 3.

7) 106

- a) Sum of the digits is **16**.  
b) 106 is **divisible** / **not divisible** by 3.

- a) Sum of the digits is **1 / 7 / 15**.  
b) 106 is **divisible** / **not divisible** by 3.

9) 45

- a) Sum of the digits is **9**.  
b) 45 is **divisible** / **not divisible** by 3.

- a) Sum of the digits is **1 / 8 / 12**.  
b) 45 is **divisible** / **not divisible** by 3.

11) 806

- a) Sum of the digits is **6 / 8 / 14**.  
b) 806 is **divisible** / **not divisible** by 3.

12) 546

- a) Sum of the digits is **6 / 15 / 46**.  
b) 546 is **divisible** / **not divisible** by 3.

13) 184

- a) Sum of the digits is **4 / 13 / 32**.  
b) 184 is **divisible** / **not divisible** by 3.

14) 92

- a) Sum of the digits is **2 / 9 / 11**.  
b) 92 is **divisible** / **not divisible** by 3.

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 4**

L1S3

Underline the correct choice:

1) 564

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 564 is **divisible** / **not divisible** by 4.

2) 6224

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 6224 is **divisible** / **not divisible** by 4.

3) 337

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 337 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 337 is **divisible** / **not divisible** by 4.

5) 5824

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 5824 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 5824 is **divisible** / **not divisible** by 4.

7) 735

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 735 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 735 is **divisible** / **not divisible** by 4.

9) 6040

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 6040 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 6040 is **divisible** / **not divisible** by 4.

11) 942

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 942 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 3236 is **divisible** / **not divisible** by 4.

13) 8416

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 8416 is **divisible** / **not divisible** by 4.

14) 525

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 525 is **divisible** / **not divisible** by 4.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 4**

L153

1) 564

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

b) 564 is divisible / not divisible by 4.

2) 6224

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

b) 6224 is divisible / not divisible by 4.

3) 337

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

b) 337 is divisible / not divisible by 4.

4) 3148

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

b) 3148 is divisible / not divisible by 4.

5) 5824

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

b) 5824 is divisible / not divisible by 4.

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

b) 5824 is divisible / not divisible by 4.

7) 735

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

b) 735 is divisible / not divisible by 4.

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

b) 735 is divisible / not divisible by 4.

9) 6040

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

b) 6040 is divisible / not divisible by 4.

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

b) 6040 is divisible / not divisible by 4.

11) 942

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

b) 942 is divisible / not divisible by 4.

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

b) 3236 is divisible / not divisible by 4.

13) 8416

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

b) 8416 is divisible / not divisible by 4.

14) 525

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

b) 525 is divisible / not divisible by 4.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 5**

L1S4

Fill in the blanks or underline the correct choice:

1) 85

a) The last digit is \_\_\_\_\_ .

b) 85 is **divisible** / **not divisible** by 5.

2) 234

a) The last digit is \_\_\_\_\_ .

b) 234 is **divisible** / **not divisible** by 5.

3) 560

a) The last digit is \_\_\_\_\_ .

b) 560 is **divisible** / **not divisible** by 5.

\_\_\_\_\_ .

**not divisible** by 5.

5) 842

a) The last digit is \_\_\_\_\_ .

b) 842 is **divisible** / **not divisible** by 5.

\_\_\_\_\_ .

**not divisible** by 5.

7) 40

a) The last digit is \_\_\_\_\_ .

b) 40 is **divisible** / **not divisible** by 5.

\_\_\_\_\_ .

**not divisible** by 5.

9) 971

a) The last digit is \_\_\_\_\_ .

b) 971 is **divisible** / **not divisible** by 5.

\_\_\_\_\_ .

**not divisible** by 5.

11) 90

a) The last digit is \_\_\_\_\_ .

b) 90 is **divisible** / **not divisible** by 5.

a) The last digit is \_\_\_\_\_ .

b) 678 is **divisible** / **not divisible** by 5.

13) 764

a) The last digit is \_\_\_\_\_ .

b) 764 is **divisible** / **not divisible** by 5.

14) 315

a) The last digit is \_\_\_\_\_ .

b) 315 is **divisible** / **not divisible** by 5.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 5**

L1S4

1) 85

- a) The last digit is 5 .  
b) 85 is **divisible** / **not divisible** by 5.

2) 234

- a) The last digit is 4 .  
b) 234 is **divisible** / **not divisible** by 5.

3) 560

- a) The last digit is 0 .  
b) 560 is **divisible** / **not divisible** by 5.

- a) The last digit is 5 .  
b) 234 is **divisible** / **not divisible** by 5.

5) 842

- a) The last digit is 2 .  
b) 842 is **divisible** / **not divisible** by 5.

- a) The last digit is 0 .  
b) 234 is **divisible** / **not divisible** by 5.

7) 40

- a) The last digit is 0 .  
b) 40 is **divisible** / **not divisible** by 5.

- a) The last digit is 6 .  
b) 234 is **divisible** / **not divisible** by 5.

9) 971

- a) The last digit is 1 .  
b) 971 is **divisible** / **not divisible** by 5.

- a) The last digit is 5 .  
b) 234 is **divisible** / **not divisible** by 5.

11) 90

- a) The last digit is 0 .  
b) 90 is **divisible** / **not divisible** by 5.

- a) The last digit is 8 .  
b) 678 is **divisible** / **not divisible** by 5.

13) 764

- a) The last digit is 4 .  
b) 764 is **divisible** / **not divisible** by 5.

14) 315

- a) The last digit is 5 .  
b) 315 is **divisible** / **not divisible** by 5.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 6**

L1S5

Underline the correct choice:

1) 184

- a) Last digit is an **even / odd** number.
- b) 184 is **divisible / not divisible** by 2.
- c) Sum of the digits is **4 / 13 / 32**.
- d) 184 is **divisible / not divisible** by 3.
- e) 184 is **divisible / not divisible** by 6.

2) 264

- a) Last digit is an **even / odd** number.
- b) 264 is **divisible / not divisible** by 2.
- c) Sum of the digits is **12 / 24 / 64**.
- d) 264 is **divisible / not divisible** by 3.
- e) 264 is **divisible / not divisible** by 6.

3) 72

- a) Last digit is an **even / odd** number.
- b) 72 is **divisible / not divisible** by 2.
- c) Sum of the digits is **3 / 5 / 9**.
- d) 72 is **divisible / not divisible** by 3.
- e) 72 is **divisible / not divisible** by 6.

- a) Last digit is an **even / odd** number.
- b) 72 is **divisible / not divisible** by 2.
- c) Sum of the digits is **3 / 5 / 9**.
- d) 72 is **divisible / not divisible** by 3.
- e) 72 is **divisible / not divisible** by 6.

5) 438

- a) Last digit is an **even / odd** number.
- b) 438 is **divisible / not divisible** by 2.
- c) Sum of the digits is **9 / 12 / 27**.
- d) 438 is **divisible / not divisible** by 3.
- e) 438 is **divisible / not divisible** by 6.

- a) Last digit is an **even / odd** number.
- b) 438 is **divisible / not divisible** by 2.
- c) Sum of the digits is **9 / 12 / 27**.
- d) 438 is **divisible / not divisible** by 3.
- e) 438 is **divisible / not divisible** by 6.

7) 90

- a) Last digit is an **even / odd** number.
- b) 90 is **divisible / not divisible** by 2.
- c) Sum of the digits is **12 / 42 / 64**.
- d) 90 is **divisible / not divisible** by 3.
- e) 90 is **divisible / not divisible** by 6.

- a) Last digit is an **even / odd** number.
- b) 90 is **divisible / not divisible** by 2.
- c) Sum of the digits is **12 / 42 / 64**.
- d) 90 is **divisible / not divisible** by 3.
- e) 90 is **divisible / not divisible** by 6.

9) 293

- a) Last digit is an **even / odd** number.
- b) 293 is **divisible / not divisible** by 2.
- c) Sum of the digits is **14 / 29 / 93**.
- d) 293 is **divisible / not divisible** by 3.
- e) 293 is **divisible / not divisible** by 6.

10) 126

- a) Last digit is an **even / odd** number.
- b) 126 is **divisible / not divisible** by 2.
- c) Sum of the digits is **6 / 9 / 12**.
- d) 126 is **divisible / not divisible** by 3.
- e) 126 is **divisible / not divisible** by 6.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 6**

L1S5

- 1) 184
- a) Last digit is an **even** / **odd** number.
  - b) 184 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **4** / **13** / **32**.
  - d) 184 is **divisible** / **not divisible** by 3.
  - e) 184 is **divisible** / **not divisible** by 6.

- 2) 264
- a) Last digit is an **even** / **odd** number.
  - b) 264 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **12** / **24** / **64**.
  - d) 264 is **divisible** / **not divisible** by 3.
  - e) 264 is **divisible** / **not divisible** by 6.

- 3) 72
- a) Last digit is an **even** / **odd** number.
  - b) 72 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **3** / **5** / **9**.
  - d) 72 is **divisible** / **not divisible** by 3.
  - e) 72 is **divisible** / **not divisible** by 6.

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- 4) 64
- a) Last digit is an **even** / **odd** number.
  - b) 64 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **3** / **5** / **9**.
  - d) 64 is **divisible** / **not divisible** by 3.
  - e) 64 is **divisible** / **not divisible** by 6.

- 5) 438
- a) Last digit is an **even** / **odd** number.
  - b) 438 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **9** / **12** / **27**.
  - d) 438 is **divisible** / **not divisible** by 3.
  - e) 438 is **divisible** / **not divisible** by 6.

- 6) 54
- a) Last digit is an **even** / **odd** number.
  - b) 54 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **9** / **12** / **27**.
  - d) 54 is **divisible** / **not divisible** by 3.
  - e) 54 is **divisible** / **not divisible** by 6.

- 7) 90
- a) Last digit is an **even** / **odd** number.
  - b) 90 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **12** / **42** / **64**.
  - d) 90 is **divisible** / **not divisible** by 3.
  - e) 90 is **divisible** / **not divisible** by 6.

- 8) 642
- a) Last digit is an **even** / **odd** number.
  - b) 642 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **12** / **42** / **64**.
  - d) 642 is **divisible** / **not divisible** by 3.
  - e) 642 is **divisible** / **not divisible** by 6.

- 9) 293
- a) Last digit is an **even** / **odd** number.
  - b) 293 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **14** / **29** / **93**.
  - d) 293 is **divisible** / **not divisible** by 3.
  - e) 293 is **divisible** / **not divisible** by 6.

- 10) 126
- a) Last digit is an **even** / **odd** number.
  - b) 126 is **divisible** / **not divisible** by 2.
  - c) Sum of the digits is **6** / **9** / **12**.
  - d) 126 is **divisible** / **not divisible** by 3.
  - e) 126 is **divisible** / **not divisible** by 6.

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 8**

L1S6

Underline the correct choice:

1) 2264

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

b) 2264 is **divisible** / **not divisible** by 8.

2) 4570

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

b) 4570 is **divisible** / **not divisible** by 8.

3) 68255

a) Last three digits are

b) 68255 is **divisible** / r

**divisible** / **not divisible** by 8.

**divisible** by 8.

5) 8832

a) Last three digits are

b) 8832 is **divisible** / n

**divisible** / **not divisible** by 8.

**divisible** by 8.

7) 23145

a) Last three digits are

b) 23145 is **divisible** / r

**divisible** / **not divisible** by 8.

**divisible** by 8.

9) 4578

a) Last three digits are

b) 4578 is **divisible** / n

**divisible** / **not divisible** by 8.

**divisible** by 8.

11) 75224

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

b) 75224 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) 9859

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

b) 9859 is **divisible** / **not divisible** by 8.

14) 7320

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

b) 7320 is **divisible** / **not divisible** by 8.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 8**

L1S6

1) 2264

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

b) 2264 is **divisible** / **not divisible** by 8.

2) 4570

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

b) 4570 is **divisible** / **not divisible** by 8.

3) 68255

a) Last three digits are

b) 68255 is **divisible** / **not divisible** by 8.

4) 3256

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

b) 3256 is **divisible** / **not divisible** by 8.

5) 8832

a) Last three digits are

b) 8832 is **divisible** / **not divisible** by 8.

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

b) 8832 is **divisible** / **not divisible** by 8.

7) 23145

a) Last three digits are

b) 23145 is **divisible** / **not divisible** by 8.

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

b) 23145 is **divisible** / **not divisible** by 8.

9) 4578

a) Last three digits are

b) 4578 is **divisible** / **not divisible** by 8.

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

b) 4578 is **divisible** / **not divisible** by 8.

11) 75224

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

b) 75224 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) 9859

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

b) 9859 is **divisible** / **not divisible** by 8.

14) 7320

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

b) 7320 is **divisible** / **not divisible** by 8.

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Score: \_\_\_\_\_

**Divisibility Rule - 9**

L1S7

Underline the correct choice:

1) 6242

a) Sum of the digits is **14 / 20 / 42**.

b) 6242 is **divisible / not divisible** by 9.

2) 990

a) Sum of the digits is **9 / 18 / 90**.

b) 990 is **divisible / not divisible** by 9.

3) 135

a) Sum of the digits is **22 / 56 / 67**.

b) 135 is **divisible / not divisible** by 9.

5) 3214

a) Sum of the digits is **5 / 9 / 20**.

b) 3214 is **divisible / not divisible** by 9.

7) 810

a) Sum of the digits is **2 / 4 / 5**.

b) 810 is **divisible / not divisible** by 9.

9) 982

a) Sum of the digits is **4 / 9 / 16**.

b) 982 is **divisible / not divisible** by 9.

11) 3232

a) Sum of the digits is **10 / 23 / 32**.

b) 3232 is **divisible / not divisible** by 9.

12) 2115

a) Sum of the digits is **5 / 7 / 9**.

b) 2115 is **divisible / not divisible** by 9.

13) 702

a) Sum of the digits is **2 / 5 / 9**.

b) 702 is **divisible / not divisible** by 9.

14) 678

a) Sum of the digits is **21 / 67 / 78**.

b) 678 is **divisible / not divisible** by 9.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 9**

L1S7

1) 6242

a) Sum of the digits is 14 / 20 / 42.

b) 6242 is **divisible** / **not divisible** by 9.

2) 990

a) Sum of the digits is 9 / 18 / 90.

b) 990 is **divisible** / **not divisible** by 9.

3) 135

a) Sum of the digits is 9 / 18 / 27.

b) 135 is **divisible** / **not divisible** by 9.

22 / 56 / 67.

**not divisible** by 9.

5) 3214

a) Sum of the digits is 10 / 19 / 20.

b) 3214 is **divisible** / **not divisible** by 9.

5 / 9 / 20.

**not divisible** by 9.

7) 810

a) Sum of the digits is 9 / 18 / 27.

b) 810 is **divisible** / **not divisible** by 9.

2 / 4 / 5.

**not divisible** by 9.

9) 982

a) Sum of the digits is 19 / 27 / 16.

b) 982 is **divisible** / **not divisible** by 9.

4 / 9 / 16.

**not divisible** by 9.

11) 3232

a) Sum of the digits is 10 / 23 / 32.

b) 3232 is **divisible** / **not divisible** by 9.

12) 2115

a) Sum of the digits is 5 / 7 / 9.

b) 2115 is **divisible** / **not divisible** by 9.

13) 702

a) Sum of the digits is 2 / 5 / 9.

b) 702 is **divisible** / **not divisible** by 9.

14) 678

a) Sum of the digits is 21 / 67 / 78.

b) 678 is **divisible** / **not divisible** by 9.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 10**

L1S8

Fill in the blanks or underline the correct choice:

1) 562

- a) The last digit is \_\_\_\_\_ .  
b) 562 is **divisible** / **not divisible** by 10.

2) 410

- a) The last digit is \_\_\_\_\_ .  
b) 410 is **divisible** / **not divisible** by 10.

3) 3490

- a) The last digit is \_\_\_\_\_ .  
b) 3490 is **divisible** / **not divisible** by 10.

5) 5364

- a) The last digit is \_\_\_\_\_ .  
b) 5364 is **divisible** / **not divisible** by 10.

7) 630

- a) The last digit is \_\_\_\_\_ .  
b) 630 is **divisible** / **not divisible** by 10.

9) 4225

- a) The last digit is \_\_\_\_\_ .  
b) 4225 is **divisible** / **not divisible** by 10.

11) 8440

- a) The last digit is \_\_\_\_\_ .  
b) 8440 is **divisible** / **not divisible** by 10.

12) 918

- a) The last digit is \_\_\_\_\_ .  
b) 918 is **divisible** / **not divisible** by 10.

13) 1164

- a) The last digit is \_\_\_\_\_ .  
b) 1164 is **divisible** / **not divisible** by 10.

14) 370

- a) The last digit is \_\_\_\_\_ .  
b) 370 is **divisible** / **not divisible** by 10.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 10**

L1S8

1) 562

a) The last digit is 2 .

b) 562 is **divisible** / **not divisible** by 10.

2) 410

a) The last digit is 0 .

b) 410 is **divisible** / **not divisible** by 10.

3) 3490

a) The last digit is 0 .

b) 3490 is **divisible** / **not divisible** by 10.

7 .

**not divisible** by 10.

5) 5364

a) The last digit is 4 .

b) 5364 is **divisible** / **not divisible** by 10.

0 .

**not divisible** by 10.

7) 630

a) The last digit is 0 .

b) 630 is **divisible** / **not divisible** by 10.

8 .

**not divisible** by 10.

9) 4225

a) The last digit is 5 .

b) 4225 is **divisible** / **not divisible** by 10.

0 .

**not divisible** by 10.

11) 8440

a) The last digit is 0 .

b) 8440 is **divisible** / **not divisible** by 10.

12) 918

a) The last digit is 8 .

b) 918 is **divisible** / **not divisible** by 10.

13) 1164

a) The last digit is 4 .

b) 1164 is **divisible** / **not divisible** by 10.

14) 370

a) The last digit is 0 .

b) 370 is **divisible** / **not divisible** by 10.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 11**

L1S9

Fill in the blanks or underline the correct choice:

1) 1332

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 1332 is **divisible** / **not divisible** by 11.

2) 968

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

3) 1100

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 1100 is **divisible** / **not divisible** by 11.

5) 8929

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 8929 is **divisible** / **not divisible** by 11.

7) 484

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 484 is **divisible** / **not divisible** by 11.

9) 5625

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 5625 is **divisible** / **not divisible** by 11.

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 121 is **divisible** / **not divisible** by 11.

11) 8195

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

12) 345

- a) Sum of the even places = \_\_\_\_\_ .
- b) Sum of the odd places = \_\_\_\_\_ .
- c) Difference = \_\_\_\_\_ .
- d) 345 is **divisible** / **not divisible** by 11.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 11**

L1S9

1) 1332

- a) Sum of the even places = 4 .
- b) Sum of the odd places = 5 .
- c) Difference = 1 .
- d) 1332 is **divisible** / **not divisible** by 11.

2) 968

- a) Sum of the even places = 17 .
- b) Sum of the odd places = 6 .
- c) Difference = 11 .

3) 1100

- a) Sum of the even places = 6 .
- b) Sum of the odd places = 9 .
- c) Difference = 3 .
- d) 1100 is **divisible** / **not divisible** by 11.

5) 8929

- a) Sum of the even places = 3 .
- b) Sum of the odd places = 3 .
- c) Difference = 0 .
- d) 8929 is **divisible** / **not divisible** by 11.

7) 484

- a) Sum of the even places = 6 .
- b) Sum of the odd places = 12 .
- c) Difference = 6 .
- d) 484 is **divisible** / **not divisible** by 11.

9) 5625

- a) Sum of the even places = 11 .
- b) Sum of the odd places = 11 .
- c) Difference = 4 .
- d) 5625 is **divisible** / **not divisible** by 11.

- a) Sum of the even places = 2 .
- b) Sum of the odd places = 2 .
- c) Difference = 0 .
- d) 121 is **divisible** / **not divisible** by 11.

11) 8195

- a) Sum of the even places = 17 .
- b) Sum of the odd places = 6 .
- c) Difference = 11 .
- d) 8195 is **divisible** / **not divisible** by 11.

12) 345

- a) Sum of the even places = 4 .
- b) Sum of the odd places = 8 .
- c) Difference = 4 .
- d) 345 is **divisible** / **not divisible** by 11.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 12**

L1S10

Underline the correct choice:

1) 537

- a) Sum of the digits is **7 / 15 / 37**.
- b) 537 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 537 is **divisible / not divisible** by 4.
- e) 537 is **divisible / not divisible** by 12.

2) 7248

- a) Sum of the digits is **21 / 48 / 72**.
- b) 7248 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 7248 is **divisible / not divisible** by 4.
- e) 7248 is **divisible / not divisible** by 12.

3) 1224

- a) Sum of the digits is **6 / 12 / 18**.
- b) 1224 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 1224 is **divisible / not divisible** by 4.
- e) 1224 is **divisible / not divisible** by 12.

- a) Sum of the digits is **19 / 79**.
- b) 79 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 79 is **divisible / not divisible** by 4.
- e) 79 is **divisible / not divisible** by 12.

5) 780

- a) Sum of the digits is **15 / 21 / 27**.
- b) 780 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 780 is **divisible / not divisible** by 4.
- e) 780 is **divisible / not divisible** by 12.

- a) Sum of the digits is **12 / 60**.
- b) 60 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 60 is **divisible / not divisible** by 4.
- e) 60 is **divisible / not divisible** by 12.

7) 235

- a) Sum of the digits is **10 / 15 / 20**.
- b) 235 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 235 is **divisible / not divisible** by 4.
- e) 235 is **divisible / not divisible** by 12.

- a) Sum of the digits is **21 / 76**.
- b) 76 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 76 is **divisible / not divisible** by 4.
- e) 76 is **divisible / not divisible** by 12.

9) 5677

- a) Sum of the digits is **7 / 25 / 77**.
- b) 5677 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 5677 is **divisible / not divisible** by 4.
- e) 5677 is **divisible / not divisible** by 12.

10) 1068

- a) Sum of the digits is **8 / 15 / 68**.
- b) 1068 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 1068 is **divisible / not divisible** by 4.
- e) 1068 is **divisible / not divisible** by 12.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Answer key**

**Divisibility Rule - 12**

L1S10

1) 537

- a) Sum of the digits is **7 / 15 / 37**.
- b) 537 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 537 is **divisible / not divisible** by 12.
- e) 537 is **divisible / not divisible** by 12.

2) 7248

- a) Sum of the digits is **21 / 48 / 72**.
- b) 7248 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 7248 is **divisible / not divisible** by 12.
- e) 7248 is **divisible / not divisible** by 12.

3) 1224

- a) Sum of the digits is **12 / 24 / 48**.
- b) 1224 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 1224 is **divisible / not divisible** by 12.
- e) 1224 is **divisible / not divisible** by 12.

- a) Sum of the digits is **19 / 79**.
- b) 79 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 79 is **divisible / not divisible** by 12.
- e) 79 is **divisible / not divisible** by 12.

5) 780

- a) Sum of the digits is **15 / 30 / 60**.
- b) 780 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 780 is **divisible / not divisible** by 12.
- e) 780 is **divisible / not divisible** by 12.

- a) Sum of the digits is **12 / 60**.
- b) 60 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 60 is **divisible / not divisible** by 12.
- e) 60 is **divisible / not divisible** by 12.

7) 235

- a) Sum of the digits is **10 / 20 / 40**.
- b) 235 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 235 is **divisible / not divisible** by 12.
- e) 235 is **divisible / not divisible** by 12.

- a) Sum of the digits is **21 / 76**.
- b) 76 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 76 is **divisible / not divisible** by 12.
- e) 76 is **divisible / not divisible** by 12.

9) 5677

- a) Sum of the digits is **7 / 25 / 77**.
- b) 5677 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 5677 is **divisible / not divisible** by 12.
- e) 5677 is **divisible / not divisible** by 12.

10) 1068

- a) Sum of the digits is **8 / 15 / 68**.
- b) 1068 is **divisible / not divisible** by 3.
- c) Last two digits are **divisible / not divisible** by 4.
- d) 1068 is **divisible / not divisible** by 12.
- e) 1068 is **divisible / not divisible** by 12.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Divisibility Rule - 15**

L1S11

Fill in the blanks or underline the correct choice:

1) 5450

- a) Sum of the digits is **14 / 45 / 50**.
- b) 5450 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 5450 is **divisible / not divisible** by 5.
- e) 5450 is **divisible / not divisible** by 15.

2) 165

- a) Sum of the digits is **5 / 12 / 65**.
- b) 165 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_

3) 372

- a) Sum of the digits is \_\_\_\_\_
- b) 372 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 372 is **divisible / not divisible** by 5.
- e) 372 is **divisible / not divisible** by 15.

5) 2040

- a) Sum of the digits is \_\_\_\_\_
- b) 2040 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 2040 is **divisible / not divisible** by 5.
- e) 2040 is **divisible / not divisible** by 15.

7) 7824

- a) Sum of the digits is \_\_\_\_\_
- b) 7824 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 7824 is **divisible / not divisible** by 5.
- e) 7824 is **divisible / not divisible** by 15.

9) 2355

- a) Sum of the digits is **5 / 15 / 55**.
- b) 2355 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 2355 is **divisible / not divisible** by 5.
- e) 2355 is **divisible / not divisible** by 15.

10) 746

- a) Sum of the digits is **6 / 17 / 46**.
- b) 746 is **divisible / not divisible** by 3.
- c) Last digit is \_\_\_\_\_
- d) 746 is **divisible / not divisible** by 5.
- e) 746 is **divisible / not divisible** by 15.

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Name: \_\_\_\_\_

Score: \_\_\_\_\_

### Answer key

#### Divisibility Rule - 15

L1S11

1) 5450

- a) Sum of the digits is 14 / 45 / 50.
- b) 5450 is **divisible** / **not divisible** by 3.
- c) Last digit is 0 .
- d) 5450 is **divisible** / **not divisible** by 5.
- e) 5450 is **divisible** / **not divisible** by 15.

2) 165

- a) Sum of the digits is 5 / 12 / 65.
- b) 165 is **divisible** / **not divisible** by 3.
- c) Last digit is 5 .
- d) 165 is **divisible** / **not divisible** by 5.
- e) 165 is **divisible** / **not divisible** by 15.

3) 372

- a) Sum of the digits is 12 / 35 / 73.
- b) 372 is **divisible** / **not divisible** by 3.
- c) Last digit is 2 .
- d) 372 is **divisible** / **not divisible** by 5.
- e) 372 is **divisible** / **not divisible** by 15.

5) 2040

- a) Sum of the digits is 18 / 84
- b) 2040 is **divisible** / **not divisible** by 3.
- c) Last digit is 0 .
- d) 2040 is **divisible** / **not divisible** by 5.
- e) 2040 is **divisible** / **not divisible** by 15.

7) 7824

- a) Sum of the digits is 40 / 64.
- b) 7824 is **divisible** / **not divisible** by 3.
- c) Last digit is 4 .
- d) 7824 is **divisible** / **not divisible** by 5.
- e) 7824 is **divisible** / **not divisible** by 15.

9) 2355

- a) Sum of the digits is 5 / 15 / 55.
- b) 2355 is **divisible** / **not divisible** by 3.
- c) Last digit is 5 .
- d) 2355 is **divisible** / **not divisible** by 5.
- e) 2355 is **divisible** / **not divisible** by 15.

10) 746

- a) Sum of the digits is 6 / 17 / 46.
- b) 746 is **divisible** / **not divisible** by 3.
- c) Last digit is 6 .
- d) 746 is **divisible** / **not divisible** by 5.
- e) 746 is **divisible** / **not divisible** by 15.

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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 17 / 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.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 243239 is **divisible** / **not divisible** by 4.

5) 802325

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 802325 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 802325 is **divisible** / **not divisible** by 4.

7) 701824

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 701824 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 701824 is **divisible** / **not divisible** by 4.

9) 61221

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 61221 is **divisible** / **not divisible** by 4.

- a) Last two digits are **divisible** / **not divisible** by 4.
- b) 61221 is **divisible** / **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 **14 / 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 <b>divisible</b> / <b>not divisible</b> by 8. b) 564371 is <b>divisible</b> / <b>not divisible</b> by 8.	2) 167200 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 167200 is <b>divisible</b> / <b>not divisible</b> by 8.
3) 4522678 a) Last three digits are b) 4522678 is <b>divisible</b>	4) 356720 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 356720 is <b>not divisible</b> by 8.
5) 7645320 a) Last three digits are b) 764320 is <b>divisible</b> /	6) 1234567 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 1234567 is <b>not divisible</b> by 8.
7) 567342 a) Last three digits are b) 567432 is <b>divisible</b> /	8) 9876543 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 9876543 is <b>not divisible</b> by 8.
9) 3240016 a) Last three digits are b) 3240016 is <b>divisible</b>	10) 12345678 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 12345678 is <b>not divisible</b> by 8.
11) 982314 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 982314 is <b>divisible</b> / <b>not divisible</b> by 8.	12) 3752 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 3752 is <b>divisible</b> / <b>not divisible</b> by 8.
13) 723456 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 723456 is <b>divisible</b> / <b>not divisible</b> by 8.	14) 108057 a) Last three digits are <b>divisible</b> / <b>not divisible</b> by 8. b) 108057 is <b>divisible</b> / <b>not divisible</b> 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: \_\_\_\_\_

Score: \_\_\_\_\_

**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) 32160 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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Name: \_\_\_\_\_

Score: \_\_\_\_\_

**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) 34265 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 **13 / 18**.
- 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 / 18**.
- 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 / 18**.
- 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 / 18**.
- 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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