Name: _____

Divisibility Rule - 15

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 _____ .
d) 165 is **divisible** / **not divisible** by 5.
e) 165 is **divisible** / **not divisible** by 15.

3) 372

a) Sum of the digits is **2**
b) 372 is **divisible** / **not**
c) Last digit is _____
d) 372 is **divisible** / **not**
e) 372 is **divisible** / **not**

/ **35** / **73**.
divisible by 3.

divisible by 5.
divisible by 15.

5) 2040

a) Sum of the digits is **6**
b) 2040 is **divisible** / **no**
c) Last digit is _____
d) 2040 is **divisible** / **no**
e) 2040 is **divisible** / **no**

/ **18** / **84**.
divisible by 3.

divisible by 5.
divisible by 15.

7) 7824

a) Sum of the digits is **4**
b) 7824 is **divisible** / **no**
c) Last digit is _____
d) 7824 is **divisible** / **no**
e) 7824 is **divisible** / **no**

/ **40** / **64**.
divisible by 3.

divisible by 5.
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.

Answer key

Divisibility Rule - 15

L1S11

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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.

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3) 372

   a) Sum of the digits is **2**

   b) 372 is **divisible** / **not**

   c) Last digit is ___**2**___

   d) 372 is **divisible** / **not**

   e) 372 is **divisible** / **not**

4) 7335

   a) ... / **35** / **73**.

   b) ... **divisible** by 3.

   d) ... **divisible** by 5.

   e) ... **divisible** by 15.

---

5) 2040

   a) Sum of the digits is **6**

   b) 2040 is **divisible** / **nc**

   c) Last digit is ___**0**___

   d) 2040 is **divisible** / **nc**

   e) 2040 is **divisible** / **nc**

6) ... **18** / **84**

   ... **divisible** by 3.

   ... **divisible** by 5.

   ... **divisible** by 15.

---

7) 7824

   a) Sum of the digits is **4**

   b) 7824 is **divisible** / **nc**

   c) Last digit is ___**4**___

   d) 7824 is **divisible** / **nc**

   e) 7824 is **divisible** / **nc**

8) ... / **40** / **64**.

   ... **divisible** by 3.

   ... **divisible** by 5.

   ... **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.