**Convert each fraction to a decimal, then determine if its decimal expansion is repeating or terminating.**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** |  | **2.** |  |
|  |  |  |  |
| **3.** |  | **4.** |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **5.** |  | **6.** |  |
|  |  |  |  |

**Convert each terminating decimal to a fraction.**

|  |  |  |  |
| --- | --- | --- | --- |
| **7.** |  | **8.** |  |
|  |  |  |  |
| **9.** |  | **10.** |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **11.** |  | **12.** |  |
|  |  |  |  |

**Convert each repeating decimal to a fraction.**

|  |  |  |  |
| --- | --- | --- | --- |
| **13.** |  | **14.** |  |
|  |  |  |  |
| **15.** |  | **16.** |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **17.** |  | **18.** |  |
|  |  |  |  |

**ANSWERS**

**Convert each fraction to a decimal, then determine if its decimal expansion is repeating or terminating.**

|  |  |  |  |
| --- | --- | --- | --- |
| **1.** |  | **2.** |  |
|  | **A terminating decimal** |  | **A terminating decimal** |
| **3.** |  | **4.** |  |
|  | **A repeating decimal** |  | **A repeating decimal** |

|  |  |  |  |
| --- | --- | --- | --- |
| **5.** |  | **6.** |  |
|  | **A terminating decimal** |  | **A repeating decimal** |

**Convert each terminating decimal to a fraction.**

|  |  |  |  |
| --- | --- | --- | --- |
| **7.** |  | **8.** |  |
|  |  |  |  |
| **9.** |  | **10.** |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **11.** |  | **12.** |  |
|  |  |  |  |

**Convert each repeating decimal to a fraction.**

|  |  |  |  |
| --- | --- | --- | --- |
| **13.** |  | **14.** |  |
|  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |
| **15.** |  | **16.** |  |
|  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |

|  |  |  |  |
| --- | --- | --- | --- |
| **17.** |  | **18.** |  |
|  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |  | ***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*** |