



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



**Sub: Arithmetic**  
**Duration: 40 min**

**Class: 7**  
**Worksheet 34**  
**RECURRING DECIMALS**

**Date: 17.06.20**  
**Full Marks: 15**

**Choose the Correct options:**

1. Change the following recurring decimal into a fraction.

$0.\dot{7}$

Simplify your answer if possible.

- (a)  $7/9$
- (b)  $77/99$
- (c)  $2/3$
- (d)  $7/99$

2. Change the following recurring decimal into a fraction.

$0.\dot{8}$

Simplify your answer if possible.

- (a)  $8/9$
- (b)  $88/99$
- (c)  $2/3$
- (d)  $8/99$

3. Change the following recurring decimal into a fraction.

$0.4\dot{3}\dot{6}$

Write your answer in its simplest form.

- (a)  $24/55$
- (b)  $48/110$
- (c)  $432/990$
- (d)  $144/330$

4. Change the following recurring decimal into a fraction.

$0.21\dot{2}$

Write your answer in its simplest form.

- (a)  $191/900$
- (b)  $212/900$
- (c)  $212/990$
- (d)  $212/999$

5. Change the following recurring decimal into a fraction.

$0.462\dot{3}$

Write your answer in its simplest form.

- (a)  $1387/3000$
- (b)  $4623/9000$
- (c)  $4161/9000$
- (d)  $1387/9000$

6. Change the following recurring decimal into a fraction.

$0.2\dot{4}\dot{8}$

Write your answer in its simplest form.

- (a)  $41/165$
- (b)  $82/330$
- (c)  $246/990$
- (d)  $248/999$

7. Change the following recurring decimal into a fraction.

$0.\dot{1}5\dot{3}$

Simplify your answer if possible.

- (a)  $51/333$
- (b)  $153/999$
- (c)  $14/111$
- (d)  $52/333$

8. Change the following recurring decimal into a fraction.

$0.\dot{8}73\dot{1}$

Simplify your answer if possible.

- (a)  $8731/9999$
- (b)  $2911/9999$
- (c)  $970/1111$
- (d)  $2911/3333$

9. Change the following recurring decimal into a fraction.

$0.\dot{2}$

Simplify your answer if possible.

- (a)  $2/9$
- (b)  $22/99$
- (c)  $1/3$
- (d)  $2/99$

10. Change the following recurring decimal into a fraction.

$0.\dot{3}\dot{4}$

Simplify your answer if possible.

- (a)  $13/33$
- (b)  $34/99$
- (c)  $4/11$
- (d)  $12/33$

11. Change the following recurring decimal into a fraction.

$0.\dot{5}\dot{8}$

Simplify your answer if possible.

- (a)  $18/33$
- (b)  $58/99$
- (c)  $6/11$
- (d)  $19/33$

12. Change the following recurring decimal into a fraction.

$0.\dot{7}\dot{1}$

Simplify your answer if possible.

- (a)  $23/33$

- (b)  $\frac{71}{99}$
- (c)  $\frac{8}{11}$
- (d)  $\frac{24}{33}$

13. Change the following recurring decimal into a fraction.  
 $0.\dot{4}\dot{2}$

Simplify your answer if possible.

- (a)  $\frac{14}{33}$
- (b)  $\frac{42}{99}$
- (c)  $\frac{5}{11}$
- (d)  $\frac{13}{33}$

14. Change the following recurring decimal into a fraction.  
 $0.\dot{3}\dot{9}$

Simplify your answer if possible.

- (a)  $\frac{14}{33}$
- (b)  $\frac{39}{99}$
- (c)  $\frac{6}{11}$
- (d)  $\frac{13}{33}$

15. Change the following recurring decimal into a fraction.  
 $0.\dot{4}\dot{3}\dot{1}$

Simplify your answer if possible.

- (a)  $\frac{143}{333}$
- (b)  $\frac{431}{999}$
- (c)  $\frac{47}{111}$
- (d)  $\frac{142}{333}$