Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$$^6\!/_{40} = {}^3\!/_{20} = 2\times2\times5 = 0.15$$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$$^5\!/_{42} = 2\times3\times7 = 0.1\overline{190476}$$

Risposte

1) $195 : 30 = $ _____

2) $161 : 18 = $ _____

3) $49 : 24 = $ _____

4) $^1\!/_2 = $ _____

5) $46 : 22 = $ _____

6) $114 : 11 = $ _____

7) $230 : 28 = $ _____

8) $^1\!/_3 = $ _____

9) $^{14}\!/_{21} = $ _____

10) $168 : 17 = $ _____

11) $^3\!/_4 = $ _____

12) $^6\!/_{10} = $ _____

13) $^{11}\!/_{25} = $ _____

14) $^6\!/_9 = $ _____

15) $73 : 12 = $ _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Nome: **Soluzioni**

Determina se ogni problema, quando convertito in un decimale, risulterà in un decimale ripetuto (R) o finale (T).

A fraction will result in a **terminating** decimal if the prime factors of the simplified denominator contain only 2s or 5s (or only 2s and 5s).

$6/40 = 3/20 = 2 \times 2 \times 5 = 0.15$

A fraction will result in a **repeating** decimal if the prime factors of the simplified denominator contain any prime factor other than 2 or 5.

$5/42 = 2 \times 3 \times 7 = 0.1\overline{190476}$

1) $195 : 30 =$ ___2___

2) $161 : 18 =$ ___2×3×3___

3) $49 : 24 =$ ___2×2×2×3___

4) $1/2 =$ ___2___

5) $46 : 22 =$ ___11___

6) $114 : 11 =$ ___11___

7) $230 : 28 =$ ___2×7___

8) $1/3 =$ ___3___

9) $14/21 =$ ___3___

10) $168 : 17 =$ ___17___

11) $3/4 =$ ___2×2___

12) $6/10 =$ ___5___

13) $11/25 =$ ___5×5___

14) $6/9 =$ ___3___

15) $73 : 12 =$ ___2×2×3___

1.	**T**
2.	**R**
3.	**R**
4.	**T**
5.	**R**
6.	**R**
7.	**R**
8.	**R**
9.	**R**
10.	**R**
11.	**T**
12.	**T**
13.	**T**
14.	**R**
15.	**R**

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					