



Bestimmen Sie, ob jedes Problem, wenn es in eine Dezimalzahl umgewandelt wird, zu einer sich wiederholenden (R) oder abschließenden (T) Dezimalzahl führt.

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.

$$5/42 = 2 \times 3 \times 7 = 0.1190476$$

Antworten

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

1) $80 : 13 =$ _____

2) $4/14 =$ _____

3) $10/18 =$ _____

4) $21/24 =$ _____

5) $56 : 6 =$ _____

6) $87 : 15 =$ _____

7) $103 : 28 =$ _____

8) $8/11 =$ _____

9) $7/22 =$ _____

10) $2/30 =$ _____

11) $200 : 19 =$ _____

12) $187 : 20 =$ _____

13) $38 : 12 =$ _____

14) $26 : 9 =$ _____

15) $20/23 =$ _____



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1) $80 : 13 =$ 13

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3) $10/18 =$ 3·3

4) $21/24 =$ 2·2·2

5) $56 : 6 =$ 3

6) $87 : 15 =$ 5

7) $103 : 28 =$ 2·2·7

8) $8/11 =$ 11

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10) $2/30 =$ 3·5

11) $200 : 19 =$ 19

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13) $38 : 12 =$ 2·3

14) $26 : 9 =$ 3·3

15) $20/23 =$ 23

Antworten1. R2. R3. R4. T5. R6. T7. R8. R9. R10. R11. R12. T13. R14. R15. R