

DIVIDING NUMBERS USING FACTORING

SYMBOL

$$N \div M(\text{Ft})$$

RELATED SHORTCUTS

$$N \div M(\text{Ft}), N \div M(\text{Mu})$$

PRACTICE QUESTIONS

1. $275 \div 25 =$
2. $968 \div 11 =$
3. $93 \div 6 =$
4. $1323 \div 21 =$
5. $530 \div 25 =$
6. $18411 \div 57 =$
7. $1144 \div 143 =$
8. $25844 \div 364 =$
9. $12348 \div 12 =$
10. $2023 \div 119 =$

ANSWERS

1. $275 \div 25 = 11$ (Hint: $275 = 5 \times 5 \times 11$)
2. $968 \div 11 = 88$ (Hint: $968 = 2 \times 2 \times 2 \times 11 \times 11$)
3. $93 \div 6 = 15.5$ (Hint: $93 = 3 \times 31$)
4. $1323 \div 21 = 63$ (Hint: $1321 = 3 \times 3 \times 3 \times 7 \times 7$)
5. $530 \div 25 = 21.2$ (Hint: $530 = 2 \times 5 \times 53$)
6. $18411 \div 57 = 323$ (Hint: $18411 = 3 \times 17 \times 19 \times 19$ & $57 = 3 \times 19$)
7. $1144 \div 143 = 8$ (Hint: $1144 = 2 \times 2 \times 2 \times 13 \times 11$ & $143 = 11 \times 13$)
8. $25844 \div 364 = 71$ (Hint: $25844 = 2 \times 2 \times 7 \times 13 \times 71$ & $364 = 2 \times 2 \times 7 \times 13$)
9. $12348 \div 12 = 1029$ (Hint: $12348 = 2 \times 2 \times 3 \times 3 \times 7 \times 7 \times 7$)
10. $2023 \div 119 = 17$ (Hint: $2023 = 7 \times 17 \times 17$)

Feel free to send us your comments, complaints, feedback and favors!

We always like to hear from friends. We can be reached thru math@lazymaths.com

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