

Write the reciprocal of each integer.

1. -5 $-\frac{1}{5}$

2. 6 _____

3. -12 _____

4. 15 _____

Rewrite each quotient as the product of the dividend and the reciprocal of the divisor, then simplify.

5. $45 \div 15$ $45 \times \frac{1}{15}$ 3

6. $-91 \div 13$ _____

7. $56 \div (-14)$ _____

8. $-105 \div 21$ _____

9. $150 \div (-25)$ _____

10. $-169 \div (-13)$ _____

11. $-200 \div (-8)$ _____

12. $272 \div (-16)$ _____

Rewrite each product as one fraction, then simplify.

13. $\frac{1}{8}(208)$ $\frac{208}{8}$ 26

14. $-\frac{1}{16}(752)$ _____

15. $\frac{1}{25}(-900)$ _____

16. $-\frac{1}{14}(742)$ _____

17. $-\frac{1}{27}(432)$ _____

18. $\frac{1}{29}(1305)$ _____

Write the reciprocal of each rational number.

19. $\frac{4}{5}$ $\frac{5}{4}$

20. $-\frac{2}{3}$ _____

21. $-\frac{8}{7}$ _____

22. $\frac{9}{10}$ _____

Simplify.

23. $-75 \div \left(-\frac{5}{8}\right)$ 120

24. $-48 \div \left(\frac{2}{3}\right)$ _____

25. $-121 \div \left(\frac{11}{5}\right)$ _____

26. $105 \div \left(-\frac{7}{15}\right)$ _____

Write the reciprocal of each integer.

- | | | | |
|--------|----------------------------------|--------|-------|
| 1. 25 | <u>$\frac{1}{25}$</u> | 2. -37 | _____ |
| 3. 105 | _____ | 4. 0 | _____ |

Rewrite each quotient as the product of the dividend and the reciprocal of the divisor, then simplify.

- | | | | | | |
|----------------------|---|-----------|-----------------------|-------|-------|
| 5. $378 \div 14$ | <u>$378 \times \frac{1}{14}$</u> | <u>27</u> | 6. $-286 \div 13$ | _____ | _____ |
| 7. $187 \div (-11)$ | _____ | _____ | 8. $-133 \div (-19)$ | _____ | _____ |
| 9. $207 \div (-9)$ | _____ | _____ | 10. $-315 \div (-21)$ | _____ | _____ |
| 11. $-400 \div (16)$ | _____ | _____ | 12. $336 \div (-21)$ | _____ | _____ |

Rewrite each product as one fraction, then simplify.

- | | | | | | |
|--------------------------|-----------------------------------|-----------|--------------------------|-------|-------|
| 13. $\frac{1}{7}(203)$ | <u>$\frac{203}{7}$</u> | <u>29</u> | 14. $-\frac{1}{15}(360)$ | _____ | _____ |
| 15. $\frac{1}{35}(-595)$ | _____ | _____ | 16. $-\frac{1}{13}(286)$ | _____ | _____ |
| 17. $-\frac{1}{33}(561)$ | _____ | _____ | 18. $\frac{1}{39}(1131)$ | _____ | _____ |

Write the reciprocal of each rational number.

- | | | | |
|----------------------|---------------------------------|---------------------|-------|
| 19. $\frac{7}{3}$ | <u>$\frac{3}{7}$</u> | 20. $-\frac{2}{9}$ | _____ |
| 21. $-\frac{17}{18}$ | _____ | 22. $\frac{21}{29}$ | _____ |

Simplify.

- | | | | |
|---|-----------|---|-------|
| 23. $-48 \div \left(-\frac{4}{5}\right)$ | <u>60</u> | 24. $-39 \div \left(\frac{3}{8}\right)$ | _____ |
| 25. $-169 \div \left(\frac{13}{5}\right)$ | _____ | 26. $125 \div \left(-\frac{5}{11}\right)$ | _____ |