Divide Integers

Divide. \(-48 \div -6 = \square\)

### Rules for Dividing Integers

<table>
<thead>
<tr>
<th>Same Sign</th>
<th>Different Signs</th>
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</thead>
<tbody>
<tr>
<td>• quotient is always positive</td>
<td>• quotient is always negative</td>
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</table>

**Step 1:** Find the quotient of the absolute values of the integers.

\[
48 \div 6 = 8
\]

**Step 2:** Reread the rules. Decide if the quotient is negative or positive.

**Step 3:** The two integers have the same sign so the quotient is positive. Write the quotient with the correct sign.

\[
-48 \div -6 = +8
\]

Find each quotient. Check your work.

1. \(-32 \div -4 = \square\)
2. \(-15 \div +3 = \square\)
3. \(+14 \div -7 = \square\)
4. \(-28 \div -7 = \square\)
5. \(-36 \div -6 = \square\)
6. \(+72 \div -9 = \square\)
7. \(-48 \div +6 = \square\)
8. \(-24 \div -6 = \square\)
9. \(-80 \div -10 = \square\)
10. \(-22 \div -2 = \square\)
11. \(+60 \div -12 = \square\)
12. \(+80 \div -2 = \square\)
13. \(+100 \div +10 = \square\)
14. \(-75 \div -25 = \square\)
15. \(-35 \div +7 = \square\)
16. \(-25 \div +5 = \square\)