Model Multiplication and Division

Find \( +2 \times -4 \).
Remember that black counters represent negative numbers and white counters represent positive numbers.

**Step 1:** Model \( +2 \times -4 \) by adding 2 groups of 4 black counters to zero.

**Step 2:** The 2 groups of black counters show that \( +2 \times -4 = -8 \).

Find \( -2 \times +4 \).

**Step 1:** Model \( -2 \times +4 \) by removing 2 groups of 4 white counters from zero. Draw pairs of counters to show zero.

**Step 2:** Remove 2 groups of white counters to show that \( -2 \times +4 = -8 \).

Find \( -8 \div +2 \).

**Step 1:** Draw 8 circles and fill them in.

**Step 2:** Circle 2 groups of circles to show \( -8 \div +2 = -4 \).

Multiply or divide. Use models to help you.

1. \( -5 \times -2 \)
2. \( -4 \times +3 \)
3. \( +2 \times -4 \)
4. \( -5 \times -3 \)
5. \( +6 \div -2 \)
6. \( -10 \div +5 \)
7. \( -12 \div -4 \)
8. \( +16 \div -4 \)