



# Word Problems: Divide & Check

**Directions:** Choose a division strategy to find each quotient. Check your answers. There will be no remainders.

## Example

322 shirts need to be sorted into 2 equal groups. How many shirts will be in each group?

**Divide**

$$\begin{array}{r}
 161 \\
 2 \overline{) 322} \\
 \underline{2} \phantom{00} \\
 12 \phantom{0} \\
 \underline{12} \phantom{0} \\
 02 \\
 \underline{2} \\
 0
 \end{array}$$

**Check**

$$\begin{array}{r}
 1 \\
 161 \\
 \times 2 \\
 \hline
 322
 \end{array}$$

1) A machine cuts a 288-inch-long rope into 9-inch-long strips to be used for construction. How many strips of rope are cut?

**Divide**

**Strategies will vary.**

$$288 \div 9 = 32 \text{ strips of rope}$$

**Check**

$$32 \times 9 = 288$$

2) 135 students are driving to a concert. If each car holds 5 people, including the driver, how many cars will be needed?

**Divide**

**Strategies will vary.**

$$135 \div 5 = 27 \text{ cars}$$

**Check**

$$27 \times 5 = 135$$

3) Buck's Bagels made 760 bagels. Buck divided the bagels into 8 equal shipments. How many bagels were in each shipment?

**Divide**

*Strategies will vary.*

$$760 \div 8 = 95 \text{ bagels}$$

**Check**

$$95 \times 8 = 760$$

4) Cheyenne baked 955 cookies. If she divides these cookies evenly into 5 shipping crates, how many cookies are packed in one crate?

**Divide**

*Strategies will vary.*

$$955 \div 5 = 191 \text{ cookies}$$

**Check**

$$191 \times 5 = 955$$

5) Nicole separated 620 cookies into baskets. Each basket contained 10 cookies. How many baskets of cookies did Nicole make?

**Divide**

*Strategies will vary.*

$$620 \div 10 = 62 \text{ baskets}$$

**Check**

$$62 \times 10 = 620$$



**Challenge Corner**

Write and solve your own division word problem! If you don't have enough space, use an additional sheet of paper to show your work. *Answers will vary.*