Percent Word Problems Worksheet

1. Bethany's mother was upset with her because Bethany's text messages from the previous month were 218% of the amount allowed at no extra cost under her phone plan. Her mother had to pay for each text message over the allowance. Bethany had 5,450 text messages last month. How many text messages is she allowed under her phone plan at no extra cost?

2. Harry used 84% of the money in his savings account to buy a used dirt bike that cost him $1,050. How much money is left in Harry's savings account?

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$$Quantity \rightarrow \%$$

$$5{,}450 \rightarrow 218\%$$

$$\frac{5{,}450}{218} \rightarrow 1\%$$

$$\frac{5{,}450}{218}(100) \rightarrow 100\%$$

$$25(100) \rightarrow 100\%$$

$$2{,}500 \rightarrow 100\%$$

Bethany is allowed 2,500 *text messages without extra cost.*

2. Harry used 84% of the money in his savings account to buy a used dirt bike that cost him $1,050. How much money is left in Harry's savings account?

$$Quantity \rightarrow \%$$

$$1{,}050 \rightarrow 84\%$$

$$\frac{1{,}050}{84} \rightarrow 1\%$$

$$\frac{1.050}{84}(100) \rightarrow 100\%$$

$$12.5(100) \rightarrow 100\%$$

$$1{,}250 \rightarrow 100\%$$

Harry started with $1,250 *in his account but then spent* $1,050 *of it on the dirt bike.*

$$1{,}250 - 1{,}050 = 200$$

Harry has $200 *left in his savings account.*