

Multiplication word problems

Read each problem. Write a multiplication, estimate, solve, then answer.

1 Study the model.

Worked example

The fair sets up 23 rows of hay bales with 16 bales in each row. How many hay bales is that?

- 1 Plan: 23 rows of 16 means 23×16 .
- 2 Estimate: $20 \times 16 = 320$.
- 3 Solve, then answer: 368 hay bales.

$$\begin{array}{r} 23 \\ \times 16 \\ \hline 138 \\ + 230 \\ \hline 368 \end{array}$$

2 Solve the fall fair problems. Plan, estimate, then solve.

1. The fair sells 128 bags of kettle corn a day. How many bags does it sell in 3 days?

Answer bags

3. A field has 36 rows of pumpkins with 48 in each row. How many pumpkins is that?

Answer pumpkins

5. Mei walks the 275 m corn maze path 4 times. How far does she walk?

Answer m

2. A hay wagon ride holds 24 people. It runs 15 times. How many riders can it carry?

Answer riders

4. Apple cider costs 3 dollars a cup. The stand sells 245 cups. How much money is that?

Answer dollars

6. Each of 14 hay bales has a mass of 27 kg. What is the total mass of the bales?

Answer kg