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Multipication Word Problem

1. Read Carefully and Understand the Problem

Tip: look for keywords that indicate Multiplication, like:

- **"Times"**
- **"Double / Twice** (2 times)**, Triple,** (3 times)**"**
- **"Each"** (e.g., "5 candies each")
- **"Every"** (e.g., "$6 every ticket")
- **"Per"** (e.g., "10 miles per hour")
- **"Product of"** (e.g., "Find the product of 6 and 7")
- **"Groups of"** (e.g., "4 groups of 8 apples")
- **"Rows of"** (e.g., "3 rows of 12 chairs")
- **"Packs of / Boxes of / Sets of"**
- **"as many as"** (e.g., "She has 4 times as many books as him")
- **"Total ..if each..** (e.g., "total pencils if each student has 5")

Example 1: "A candy costs $3 per piece. If Mia buys 4 candies, how much does she pay?"

Solution:

Keyword: "**Per**" indicates Multiplication.

Initially, candy costs $3 per piece.

- Mia buys 4 candies.
- Multiply the cost by the number of candies:

$$3 \times 4 = 12$$

Mia pays $12.

Chapter 6: Multiplication Word Problem - Energy

Time : _____

Score : _____

1) A solar farm has 324 kilowatts per panel. With 47 panels running, what is the total power generated?

2) A hydroelectric dam releases 428 cubic meters of water per second. How many cubic meters flow through in 36 seconds?

3) Each wind turbine produces 312 kilowatt-hours daily. What is the combined daily energy for 58 turbines?

4) A city streetlight consumes 273 watts. What is the total power consumption if 65 streetlights are on?

5) An electric company delivers 354 cubic meters of natural gas per hour. How much gas is supplied in 42 hours?

6) A coal-fired plant burns 417 tons of coal per day. What is the total coal usage over 39 days?

Chapter 12: Division Word Problem - Energy

Time : _____

Score : _____

1) A solar farm produces 648 kWh of electricity and shares it among 8 households. Find the electricity per household and leftover kWh.

2) A water tank holds 735 liters and divides it across 9 households. Determine liters each household gets and remainder.

3) A power plant generates 864 kWh and splits it into 12 sectors. Find kWh per sector and leftover electricity.

4) A gas station distributes 972 liters of fuel and allocates it to 8 trucks. Calculate liters per truck and remaining fuel.

5) A solar panel produces 756 kWh in a week and shares it across 7 days. Determine the energy per day and leftover kWh.

6) A city water supply provides 819 liters of water and divides it among 13 households. Find liters per household and remainder.

Multiplication or Division Word Problem

Time : _____

Score : _____

1) A phone company sells 416 phones every month for 9 months. How many phones are sold?

2) A delivery service has 987 packages. If they are divided equally among 7 vans, how many packages go in each van?

3) A truck delivers 418 boxes every day for 15 days. Calculate the total boxes delivered.

4) A bus travels 324 km each week for 12 weeks. Find the total distance covered.

5) A warehouse stores 864 books that must be placed on 24 shelves. Work out the number of books per shelf.

6) A store has 1,092 toys arranged into 21 boxes. Figure out the number of toys in each box.

Multiplication or Division Word Problem

Time : _____

Score : _____

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1) A power plant produces 236 units of energy per hour for 16 hours. Find the total energy produced.

2) A library has 1,176 magazines sorted into 28 equal stacks. Identify the number of magazines in each stack.

3) A factory makes 327 machines every month for 14 months. Determine the total machines produced.

4) A company distributes 1,554 pencils equally into 42 boxes. Decide the number of pencils in each box.

5) A farmer's market brings 1,365 oranges to be packed into 35 crates. Compute the number of oranges per crate.

6) A train moves 248 passengers each trip for 18 trips. Calculate the total passengers transported.

Chapter 14: Mixed Multiplication & Division Word Problem **Time :** _____

Score : _____

1) A delivery company owns a fleet of identical trucks. The total fuel capacity is 400 gallons for all 8 trucks. This week, the company decides to refuel only 3 of these trucks. How many gallons of fuel are needed to fill the tanks of the 3 trucks?

2) A farmer collected a total of 90 eggs over a week. These eggs came from 9 equally productive chicken coops. The farmer decides to send all the eggs from 5 of those coops to a local market. How many total eggs did the farmer send to the market?

3) A cyclist rides 48 km each day for 7 days. The total distance covered by the cyclist is then recorded and divided equally among 4 teammates for training analysis. How many kilometers of distance are recorded for each teammate?

4) A factory packs 56 boxes of toys, each containing 12 toys. If all toys are shared among 14 shops, how many toys does each shop get?

5) A warehouse has 144 bottles that are divided equally among 8 storage racks. The workers then take the contents of 6 of these racks to fulfill a large order. How many total bottles were taken to fulfill the large order?

Mixed Multiplication & Division Word Problem

Time : _____

Score : _____

1) A video game developer creates 13 new levels. Each level requires 50 hours of programming. If the total programming time is split equally among 10 programmers, how many hours does each programmer contribute?

2) 25 sheets of colored paper are shared equally among 5 art groups. If 4 of the groups combine their paper for a large project, how many sheets of paper do they have together?

3) A school band sells 22 tables of merchandise at a concert. Each table sells 15 items. If the total number of items sold is packed into 5 donation boxes equally, how many items are in each box?

4) A total of 80 kilograms of corn was harvested and put into 10 bags. If the farmer sells 6 times the amount of corn found in one bag, how many kilograms of corn did he sell?

5) A bakery prepares 18 sheets of croissants. Each sheet holds 12 croissants. If the total number of croissants is packaged into 4 large delivery vans equally, how many croissants go into each van?