Multiplying Fractions by Whole Numbers Word Problems

1. James is having a pizza party. Each person at the party eats 3/8 of a pizza. If 6 people attend the party, how many slices of pizza did James need?
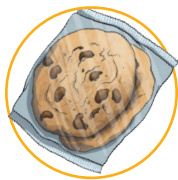
   _____

2. Lucy walked 1/6 of a kilometre each day for 8 days. How many kilometres did she walk in total?

   _____

3. Tina swam $\frac{3}{4}$ of a kilometre on Monday, Tuesday, Wednesday and Friday. How many kilometres did she swim in total?

   _____

4. Jack baked some trays of brownies for his 5 friends. He is going to give each of his friends 4/6 of a tray. How many trays of brownies does he give away?

   _____

5. Five children share some pizzas. Each child eats 2/3 of a pizza. How many pizzas are eaten?

   _____

6. To bake a batch of cookies, 1/3 of a packet of sugar is needed. Chen needs to make 5 batches of cookies. How much sugar is used?

   _____

7. Daisy attended a five-day French course, which lasted 4/5 of an hour each day. How many hours was the French course in total?

   _____

8. Frank ran 1 1/3 km every day from Monday to Friday. How far did he run in total?

   _____

9. Mrs Smith baked 6 pies for a party. Her recipe needed 4/9 of a bag of flour for each pie. How much flour did she use?

   _____

10. Gina had 3 cheesecakes. Each of her 9 guests ate $\frac{1}{4}$ of a cheesecake. How much cheesecake was eaten?

   _____

Multiplying Fractions by Whole Numbers Word Problems Answers

1. James is having a pizza party. Each person at the party eats 3/8 of a pizza. If 6 people attend the party, how many slices of pizza did James need?

   6 × 3/8 = 18/8 = 2 2/8 = 2 2/8 = 2 $\frac{1}{4}$ pizzas

2. Lucy walked 1/6 of a kilometre each day for 8 days. How many kilometres did she walk in total?

   8 × 1/6 = 8/6 = 1 2/6 = 1 1/3km

3. Tina swam $\frac{3}{4}$ of a kilometre on Monday, Tuesday, Wednesday and Friday. How many kilometres did she swim in total?

   4 × 3/4 = 12/4 = 3km

4. Jack baked some trays of brownies for his 5 friends. He is going to give each of his friends 4/6 of a tray. How many trays of brownies does he give away?

   5 × 4/6 = 20/6 = 3 2/6 = 3 1/3 trays

5. Five children share some pizzas. Each child eats 2/3 of a pizza. How many pizzas are eaten?

   5 × 2/3 = 10/3 = 3 1/3 pizzas

6. To bake a batch of cookies, 1/3 of a packet of sugar is needed. Chen needs to make 5 batches of cookies. How much sugar is used?

   5 × 1/3 = 5/3 = 1 2/3 bags of sugar

7. Daisy attended a five-day French course, which lasted 4/5 of an hour each day. How many hours was the French course in total?

   5 × 4/5 = 20/5 = 4 hours

8. Frank ran 1 1/3 km every day from Monday to Friday. How far did he run in total?

   1 × 5 = 5km, 1/3 × 5 = 5/3 = 1 2/3km, 5km + 1 2/3km = 6 2/3 km

9. Mrs Smith baked 6 pies for a party. Her recipe needed 4/9 of a bag of flour for each pie. How much flour did she use?

   6 × 4/9 = 24/9 = 2 6/9 = 2 2/3 bags of flour

10. Gina had 3 cheesecakes. Each of her 9 guests ate $\frac{1}{4}$ of a cheesecake. How much cheesecake was eaten?

    9 × 1/4 = 9/4 = 2 $\frac{1}{4}$ cheesecakes