

Divisions – Word Problems

1. Lily had 36 stickers. She arranged them into groups of 9 stickers. How many groups of 9 stickers did Lily make?
2. A farmer collects 32 eggs and packs them into cartons that hold 6 eggs each. How many cartons are needed to pack all the eggs?
3. James has 29 pencils. He puts them into groups of 7 pencils. How many groups of 7 pencils can James make?
4. A baker has 27 cupcakes and places them into boxes that can hold 4 cupcakes each. How many boxes does the baker need?
5. A shop has 45 candles and packs them into boxes that hold 6 candles each. How many boxes are needed to pack all the candles?

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6. A rope that is 53 meters long is cut into pieces that are 6 meters long. How many full pieces can be cut, and how many meters of rope are left?

7. Tom had 40 marbles. He put them into groups of 5 marbles. How many groups of 5 marbles was Tom able to form?

8. A farmer picked 50 potatoes and packed them into bags that hold 8 potatoes each. How many bags are needed?

9. Sarah had 33 beads. She placed them into groups of 4 beads. How many groups of 4 beads could Sarah make?

10. Ben has 38 balloons and wants to divide them equally into 5 bags. How many balloons will be in each bag, and how many balloons are left?

Divisions – Answer Key

1. The number of groups she made is $36 \div 9 = 4$.
Lily made 4 groups of 9 stickers.
2. The number of cartons needed is $32 \div 6 = 5$ remainder 2.
The farmer needs 6 cartons (one more carton than 5) to pack all the eggs.
3. The number of groups he can make is $29 \div 7 = 4$ remainder 1.
James can make 4 groups of 7 pencils.
4. The number of boxes needed is $27 \div 4 = 6$ remainder 3.
The baker needs 7 boxes (one more box than 6) to pack all the cupcakes.
5. The number of boxes needed is $45 \div 6 = 7$ remainder 3.
The shop needs 8 boxes (one more box than 7) to pack all the candles.
6. The number of full pieces that can be cut is $53 \div 6 = 8$ remainder 5. There are 8 full pieces, and 5 meters of rope are left.
7. The number of groups he formed is $40 \div 5 = 8$.
Tom formed 8 groups of 5 marbles.
8. The number of bags needed is $50 \div 8 = 6$ remainder 2.
The farmer needs 7 bags (one more bag than 6) to pack all the potatoes.
9. The number of groups she could make is $33 \div 4 = 8$ remainder 1.
Sarah could make 8 groups of 4 beads.
10. The number of balloons in each bag is $38 \div 5 = 7$ remainder 3. Each bag has 7 balloons, and 3 balloons are left.