

Learning Reminders

Solve word problems needing mental multiplication or division.

We can use our RUCSAC to help solve word problems!



Read the problem.

Understand what you need to do.

Calculation: Which operation do you need?

Solve the calculation.

Answer the problem.

Check - does the answer seem reasonable?

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**A tea shop has 23 trays of shortbread. Each tray is divided so it holds 20 pieces of shortbread.
How many pieces of shortbread are there?**

We need to find 23×20 as each tray has 20 pieces of shortbread.

We can multiply by 10, then double.

$23 \times 10 = 230$.
Double 230 is 460.

460 – does that seem reasonable?

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**A coach party of 46 people has come to the tea shop.
They all want cream teas. Scones come in packs of 4. How
many packs are needed?**

**We need to divide 46 by 4
to find how many packs are
needed.**

**$46 \div 4 = 11 \text{ r } 2$ or $11\frac{1}{2}$.
But what is the answer to
the problem?**

**Scones come in packs of 4
so we need to use 12 packs.**

Practice Sheet Mild

Multiplication and division word problems

1. A tea shop has 23 boxes of herbal tea. They come in boxes of 20 tea bags. How many tea bags do they have?

2. The tea shop has $10\frac{1}{2}$ cakes left. If each cake is cut into 8 slices how many slices is this?

3. 16 children in Year 5 have each brought 20p to buy a snack at break time. How much money have they brought in altogether?

4. How many weeks is 91 days?

5. A family of 6 go out for a birthday meal. The bill comes to £63. How much does the meal cost per person?

6. A bus route is 17 miles. If the driver drives it 20 times in a day, how many miles is that?

7. A school has 147 children equally split between 7 classes. How many children are in each class?

8. A top distance runner takes an average time of 5 minutes to run a mile. How long will it take to run 14 miles?

Practice Sheet Hot

Multiplication and division word problems

1. A tea shop has 59 boxes of herbal tea. They come in boxes of 20 tea bags. How many tea bags do they have?

2. The tea shop has $11\frac{1}{4}$ cakes left. If each cake is cut into 8 slices how many slices is this?

3. 37 children in Year 5 have each brought 20p to buy a snack at break time. How much money have they brought in altogether?

4. How many weeks is 224 days?

5. A family of 6 go out for a birthday meal. The bill comes to £81. How much does the meal cost per person?

6. A bus route is 32 miles. If the driver drives it 19 times in a day, how many miles is that?

7. A school has 203 children equally split between 7 classes. How many children are in each class?

8. A top distance runner takes an average time of 5 minutes to run a mile. How long will it take to run 27 miles?