

07.01.2021

Multiplication

LO: To complete mixed word problem questions using short multiplication.

Hook

Which **two** of these statements about multiplication are **true**?

- Multiplication is the opposite of division.
- Multiplication is the same as division
- Multiplication is the same as adding the same number repeatedly.
- Multiplication is the same as subtracting the same number repeatedly.

Today, we are going to use our knowledge of multiplication to calculate the answer to mixed word problems.

TTYP- What must we always do with the important information to help us answer a word problem?

Underline the important information!

How could we solve this question?

My bills cost £1,702 a month. How much would my bills cost for 6 months?

Solve this question on your white boards!

Shaun buys 5 LCD TV's. The cost of each is £259. How much did it cost for all 5 TV's?

Try this one! Remember to underline the important information before answering the question.

There are 1,028 calories in a KFC Bargain Bucket. How many calories are there in 4 Bargain Buckets?

Solve this question.

A class laptop costs £2,340. If the school needs to buy one for each class, and there are 8 classes. How much will they spend all together?

Try this one!

Ben plans a holiday to Spain. He rents a room which costs £172 a night. He wants to stay for 5 nights in total. How much does he need to pay all together?

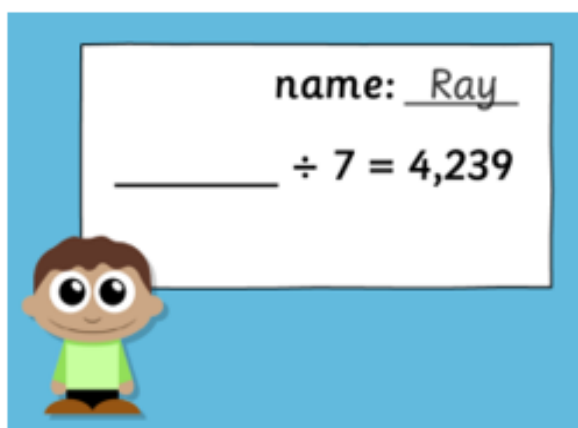
Task One

Task One

1. There are 932 calories in a chocolate bar. How many calories are there in 6 chocolate bars?
2. My bills cost £386 per month. How much would I need to pay in 5 months?
3. Chloe plans a holiday to New York. She rents a room at a cost of £183. How much will it cost her to stay for 5 nights?
4. A plane travels 5922 miles in one trip to Dubai. How many miles will it travel in 7 trips to Dubai?
5. A car costs £9823. The garage sells 9 of these cars. How much does the garage receive?
6. An interactive whiteboard costs £1452 each. The school need to buy one for each class. There are 6 classes in the school. How much will they spend?
7. Alex plans annual trips to watch the Grand Prix. He spends £1982 each year. How much does he spend in 5 years?

Task TwoTask Two

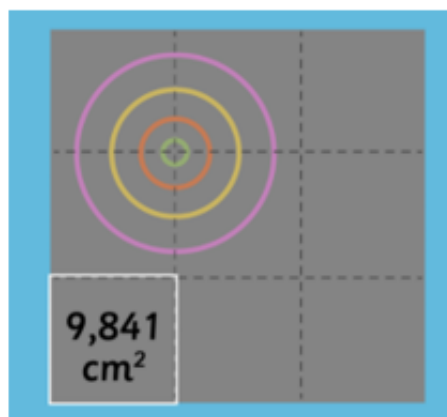
Ray says that he can use multiplication to find the missing number. Do you agree with Ray? Explain your answer and find the missing number.



name: Ray
 $\div 7 = 4,239$

Task ThreeTask three

One-ninth of a playground has an area of 9,841 square centimetres (cm^2).
What is the area of the whole playground in square centimetres?



ExtensionExtension

3. Which digit goes in box A?
- 4
 - 3

$$\begin{array}{r} \text{A} \ 5 \ 6 \ 2 \\ \times \quad \quad \quad \text{B} \ 2 \\ \hline 1 \ 4 \ 2 \ 4 \ 8 \end{array}$$

4. Using every digit card **once** in the calculation, what is the **largest possible number** you can make?

$$\begin{array}{r} \text{0} \ \text{2} \ \text{3} \ \text{4} \ \text{8} \\ \times \quad \square \ \square \ \square \ \square \ \square \\ \hline \end{array}$$

