

5F Real Life Word Problems – Multiplication.

For each of these problems, use your fantastic long multiplication skills to solve them. Please show your workings out.

The problems do get progressively harder. Some of them might have 2 parts to them, so make sure you do each step. 🔥 There are a few extra hot ones at the end if you are up for a challenge! 🔥



1) Mrs Topping went on a shopping spree and bought 12 pairs of shoes. Each pair cost £45. How much did she spend?

2) Mr Masingiri wants to replace the school's footballs. Each football costs £18 and he wants to order 34. How much will they cost altogether?



3) Mr Todd chooses 13 people to play in the school football team. He decides to put the team in a tournament with 38 other teams that all have the same number of players as North Lancing. How many players will be at the tournament?



4) Mrs Ferrier has too many books and needs to buy some more bookcases. Each bookcase costs £125 and she needs 4 of them. How much will she have to spend?

5) Packs of Haribo come in boxes of 48. The PTA are ordering 136 boxes for the school disco . How many packs of Haribo will they have?

6) One jumbo jet has seats for 205 passengers. How many passengers would 16 jumbo jets seat?



7) The school server has 946 files saved on it. Each file uses 16 megabytes of memory. How much memory do the files take up altogether?

8) Mrs Davis needs to order some new whiteboard pens for the school. She orders 32 boxes. Each box contains 245 pens. How many pens are ordered? If the pens are shared equally between 10 classes. How many pens will each class get?





🔥 9) North Lancing is hosting a performance of Cinderella. The hall holds 16 rows of 28 seats. The tickets cost £6 each and the performance is sold out. How much money is made?




🔥 10) A cinema has 46 rows and there are 42 seats in each row. During one film, there were 40 empty seats. How many people were watching the film?

🔥 11) 900 people went to a charity match between Lancing Rangers and Lancing FC. Adult tickets cost £9 & child tickets cost £5. Out of the 900 people, 155 were children. Can you work out how much money was raised for charity?

5F Real Life Word Problems – Multiplication. **ANSWERS**

For each of these problems, use your fantastic long multiplication skills to solve them. Please show your workings out.

The problems do get progressively harder. Some of them might have 2 parts to them, so make sure you do each step.  There are a few extra hot ones at the end if you are up for a challenge! 

- 1) Mrs Topping went on a shopping spree and bought 12 pairs of shoes. Each pair cost £45. How much did she spend? $12 \times 45 = 540$ Mrs Topping spends £540 .
- 2) Mr Masingiri wants to replace the school's footballs. Each football costs £18 and he wants to order 34. How much will they cost altogether? $34 \times 18 = 612$ The footballs would cost £612
- 3) Mr Todd chooses 13 people to play in the school football team. He decides to put the team in a tournament with 38 other teams that all have the same number of players as North Lancing. How many players will be at the tournament? $(38 \text{ teams} + \text{North Lancing's team} = 39) 13 \times 39 = 507$. There will be 507 players at the tournament.
- 4) Mrs Ferrier has too many books and needs to buy some more bookcases. Each bookcase costs £125 and she needs 4 of them. How much will she have to spend? $4 \times 125 = 500$. Mrs Ferrier will have to spend £500
- 5) Packs of Haribo come in boxes of 48. The PTA are ordering 136 boxes for the school disco . How many packs of Haribo will they have? $48 \times 136 = 6528$ There will be 6528 packs of Haribo.
- 6) One jumbo jet has seats for 205 passengers. How many passengers would 16 jumbo jets seat? $205 \times 16 = 3280$
The jumbo jet would seat 3280 passengers.
- 7) The school server has 946 files saved on it. Each file uses 16 megabytes of memory. How much memory do the files take up altogether? $16 \times 946 = 15,136$ The files take up 15,136 megabytes of memory.
- 8) Mrs Davis needs to order some new whiteboard pens for the school. She orders 32 boxes. Each box contains 245 pens. How many pens are ordered? If the pens are shared equally between 10 classes. How many pens will each class get? $32 \times 245 = 7840$ There would be 7840 pens. $7840 \div 10 = 784$. Each class would get 784 pens.
-  9) North Lancing is hosting a performance of Cinderella. The hall holds 16 rows of 28 seats. The tickets cost £6 each and the performance is sold out. How much money is made? $16 \times 28 = 448$ 448 tickets were sold.
 $448 \times 6 = 2688$. £2688 would be made.
-  10) A cinema has 46 rows and there are 42 seats in each row. During one film, there were 40 empty seats. How many people were watching the film? $46 \times 42 = 1932$ seats. $1932 - 40 = 1892$. 1892 people were watching the film.
-  11) 900 people went to a charity match between Lancing Rangers and Lancing FC. Adult tickets cost £9 & child tickets cost £5. Out of the 900 people, 155 were children. Can you work out how much money was raised for charity? $900 - 155 = 745$. $745 \text{ adults} \times £9 = £6705$. $155 \text{ children} \times £5 = £755$. $£6705 + £755 = £7480$. £7480 raised for charity.