




<https://whiterosemaths.com/homelearning/year-4/week-1-number-multiplication-division/> (Use the multiply 3 numbers video) Watch this video to help you understand what to do.

**Steps to success**

Lockdown	
Date	7.1.21
Subject/s	Maths
Learning Objective	To multiply 3 numbers.

SA	TA
	

Success Criteria 	I understand that I can group numbers differently and still get the same answer.		
	I can use different methods to multiply 3 numbers.		
	I know how to group numbers together to make calculations simpler.		

Support	Independently	Support ( )	Group work
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**Pre-task:**

**Multiply these numbers.**

1.  $2 \times 3 \times 3 =$
2.  $3 \times 4 \times 2 =$
3.  $5 \times 2 \times 1 =$

Fluency

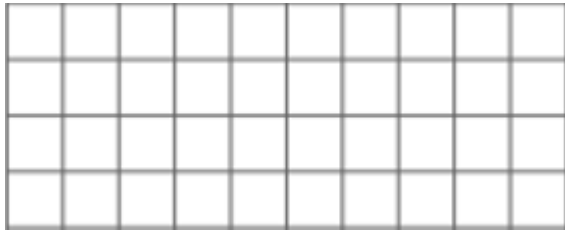
1.  $2 \times 3 \times 4 =$


2.  $5 \times 2 \times 4 =$

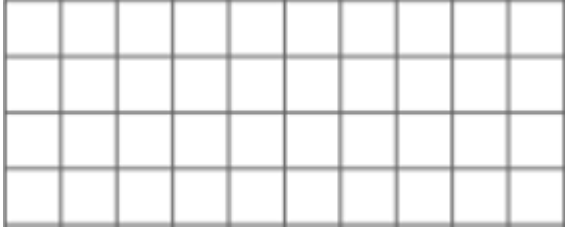

3.  $7 \times 2 \times 2 =$


4.  $6 \times 5 \times 5 =$


5.  $6 \times 3 \times 2 =$



6.  $2 \times 2 \times 5 =$



Problem solving and reasoning:



Choose three digit cards.  
Arrange them in the calculation.

$$\square \times \square \times \square = \square$$

How many different calculations can you make using your three digit cards?  
Which order do you find it the most efficient to calculate the product?  
How have you grouped the numbers?

Am I correct?

Show your working out to prove it.

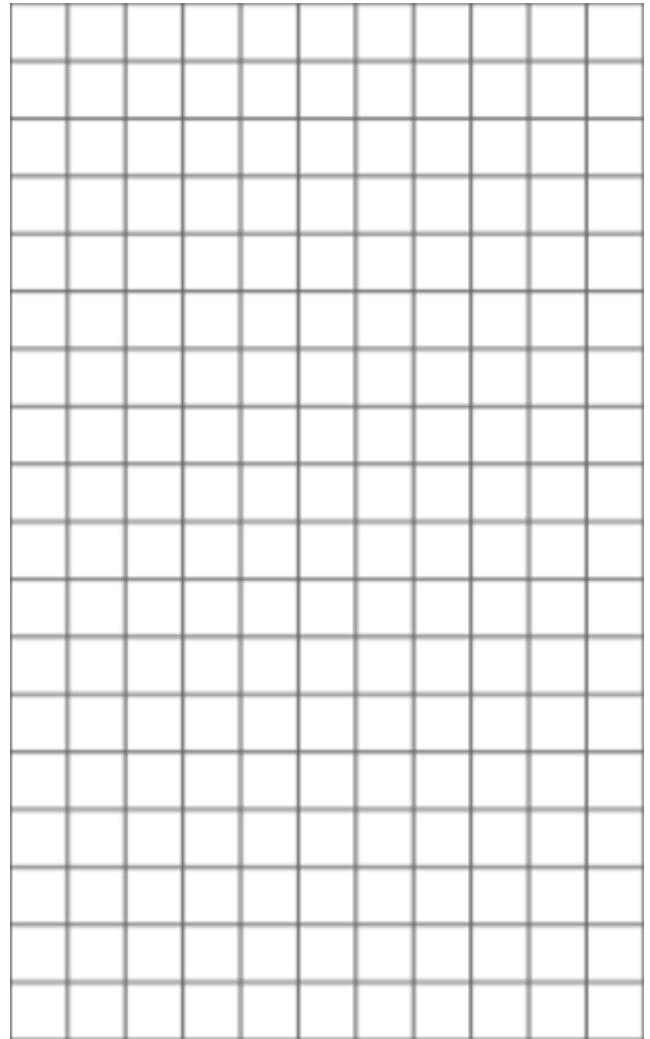


$$2 \times 3 \times 3 = 8$$

$$4 \times 2 \times 2 = 16$$

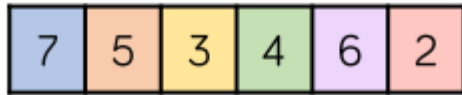
$$7 \times 2 \times 3 = 20$$

$$5 \times 2 \times 3 = 30$$



**Further challenge**

Make the target number of 84 using three of the digits below.



$$\square \times \square \times \square = 84$$

Multiply the remaining three digits together, what is the product of the three numbers?

Is the product smaller or larger than 84?

Can you complete this problem in more than one way?

