

03.12.20

LO: To use the 7 times tables to solve division problems

**Challenge 1**

1)  $6 \times 7 =$

2)  $2 \times 7 =$

3)  $5 \times 7 =$

4)  $8 \times 7 =$

Use the answers above to help answer the following

1) 14 divided by 7 =

2) 56 divided by 7 =

3) 42 divided by 7 =

4) 35 divided by 7 =

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### Challenge 2



1) Match each calculation to the correct answer.

$80 \times 7$
$60 \times 70$
$30 \times 7$
$7 \times 200$
$800 \times 7$
$70 \times 10$
$70 \times 70$

4200
560
4900
5600
210
1400
700

2) Use your knowledge of the 7 times table to identify the missing number in each of these multiplication calculations.

$$\_\_\_ \times 1 = 7$$

$$7 \times 6 = \_\_\_$$

$$7 \times \_\_\_ = 56$$

$$7 \times \_\_\_ = 70$$

$$\_\_\_ \times 6 = 420$$

$$70 \times 8 = \_\_\_$$

$$7 \times 100 = \_\_\_$$

$$700 \times 6 = \_\_\_$$

$$7 \times \_\_\_ = 5600$$

3) Using your answers above, find the missing numbers in these related division calculations.

$$7 \div \_\_\_ = 7$$

$$42 \div \_\_\_ = 7$$

$$\_\_\_ \div 7 = 8$$

$$\_\_\_ \div 10 = 7$$

$$\_\_\_ \div 6 = 70$$

$$560 \div \_\_\_ = 80$$

$$700 \div \_\_\_ = 7$$

$$4200 \div 6 = \_\_\_$$

$$\_\_\_ \div 7 = 800$$

## Challenge 3

- 1) Anna is asked to insert =, < or > in each of the boxes in order to make these calculations correct. She thinks that she can complete all four of these number statements correctly by using just one symbol. Is Anna correct? Explain your answer.



$7 \times 50 \quad \square \quad 50 \times 7$

$7 \times 10 \quad \square \quad 700 \times 1$

$8 \times 700 \quad \square \quad 80 \times 70$

$40 \times 70 \quad \square \quad 400 \times 7$

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- 2) Complete these calculations.

$4 \times 7 =$

$2 \times 2 \times 7 =$

$8 \times 7 =$

$2 \times 2 \times 2 \times 7 =$

$9 \times 7 =$

$3 \times 3 \times 7 =$

Look carefully at the pairs of calculations above. What do you notice about the answers? Explain why you think this is.

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1)

- a) A teacher buys 70 packs of HB pencils with 8 pencils in each pack and 40 packs of HH pencils with 7 pencils in each pack. How many pencils has she bought altogether?




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- b) She divides the pencils she has bought equally amongst the seven classes in her school. How many pencils will each class receive?

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