



Friday 17.07.20

Multiply 2 digit numbers by 8 using partitioning

## Part A - Use partitioning and area models to solve these questions using the 8 times table

1)  $45 \times 8 =$

2)  $83 \times 8 =$

3)  $\quad \times 8 = 560$

4)  $8 \times \quad = 800$

### Extension -

Abdul multiplies 22 by 8 and gets 1616, is he correct?

If not, what mistake do you think he has made?



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### Part B -

1)  $8 \times 4 =$

$8 \times 40 =$

$8 \times 400 =$

(Challenge - can you try this with another number? e.g. 12, 120, 1200)

$1 \times 8 = 8$
$2 \times 8 = 16$
$3 \times 8 = 24$
$4 \times 8 = 32$
$5 \times 8 = 40$
$6 \times 8 = 48$
$7 \times 8 = 56$
$8 \times 8 = 64$
$9 \times 8 = 72$
$10 \times 8 = 80$
$11 \times 8 = 88$
$12 \times 8 = 96$

2) Which of these numbers is a multiple of 8?  
How do you know?

160	240	4000	85	20	96	100
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## Part C

There were some octopuses and starfish in a rock pool; octopuses have 8 arms and starfish have 5 arms. Altogether there are 73 arms in the rock pool.



How many octopuses and starfish could there be?  
How do you know?  
Is there more than one answer?

