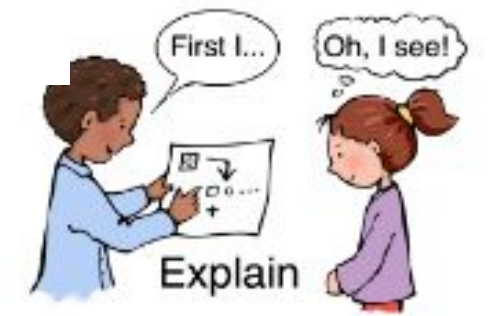# Warm up - Doubling and halving numbers

Would you be able to explain what strategies you are using?

Double these numbers:

9   25

260   18
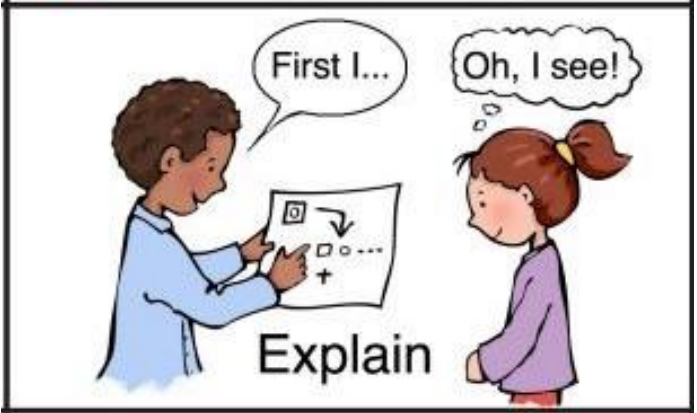
Halve these numbers:

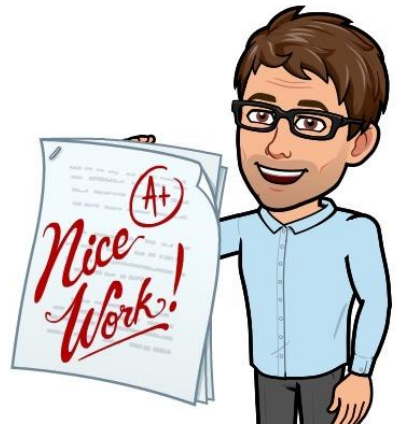24   32

250   4500

Talk Task

Use doubling and halving strategies to complete the calculations.

16×4	$10\,000 \div 4$	130×8	$480 \div 8$
625×8	45×4	$720 \div 8$	$9000 \div 4$

Use mental strategies for doubling and halving to complete the calculations

$145 \div 5 =$ My strategy!

$120 \div 15 =$ My strategy!

$435 \div 5 =$ My strategy!

$210 \div 35 =$ My strategy!

$2350 \div 50 =$ My strategy!

$550 \div 25 =$ My strategy!

Challenge Slide - Reasoning

Strategy - Halve and then multiply by ten

Use the bar model to try to explain how this strategy works.
Complete the bar model using the three examples

$24 \times 10 = 48 \times 5$

$6 \times 10 = 12 \times 5$

$9 \times 10 = 18 \times 5$