

CUT AND PASTE

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I am learning to solve multiplication problems using doubling and halving and thirding and trebling.

PRIOR KNOWLEDGE REQUIRED: To do these problems I have to be quick and accurate at solving the sort of problems that doubling and halving turns problems into.

1)

Question	Answer	Question	Answer
a) $6 \times 7 =$		e) $7 \times 3 =$	
b) $5 \times 2 =$		f) $2 \times 9 =$	
c) $4 \times 5 =$		g) $6 \times 6 =$	
d) $10 \times 5 =$		h) $8 \times 4 =$	

USING MATERIALS:

2) Double and halve column 1 to make column 2 (they have already been started for you) then solve it. You may use hundreds arrays or Unifix cubes to help you answer these.

Column 1	Column 2	Answer
a) $14 \times 3 =$	$7 \times \dots =$	
b) $18 \times 4 =$	$9 \times \dots =$	
c) $16 \times 3 =$	$8 \times \dots =$	
d) $18 \times 5 =$	$9 \times \dots =$	
e) $16 \times 5 =$	$8 \times \dots =$	

USING IMAGING:

3) Double and halve these problems to answer them.

Question	Answer	Question	Answer
a) $4 \times 20 =$		f) $4 \times 18 =$	
b) $3 \times 18 =$		g) $4 \times 12 =$	
c) $2 \times 12 =$		h) $2 \times 14 =$	
d) $5 \times 22 =$		i) $3 \times 16 =$	
e) $3 \times 14 =$		j) $5 \times 18 =$	

WORD PROBLEMS USING NUMBER PROPERTIES:

4) There are 2 packs of crackers and 16 crackers in each pack. How many crackers are there in total?

5) There are 14 boxes with 50 cans inside each one. How many cans are there in total?

6) A concert can hold 642 people. It is filled for 5 nights. How many people go to the concert in total over the 5 nights?