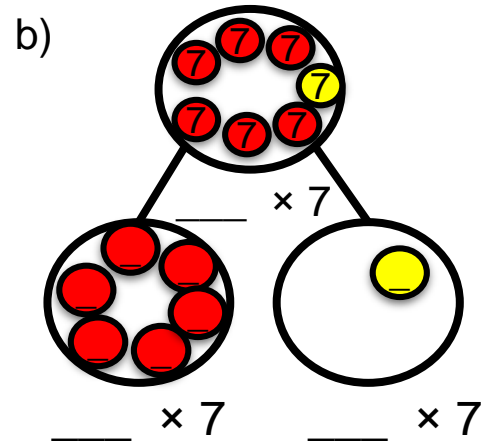
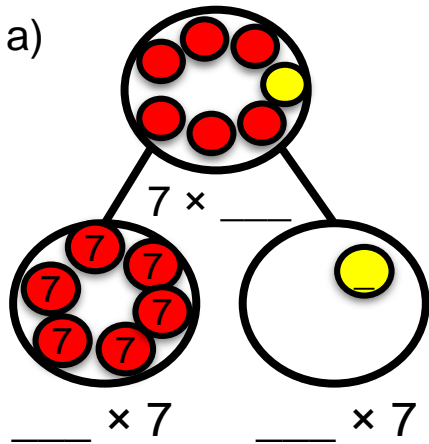




## Use known facts from the 2, 5 and 6 times tables to solve problems involving the 7 times table

### Task A: Using known facts: 2, 5 and 6 times tables

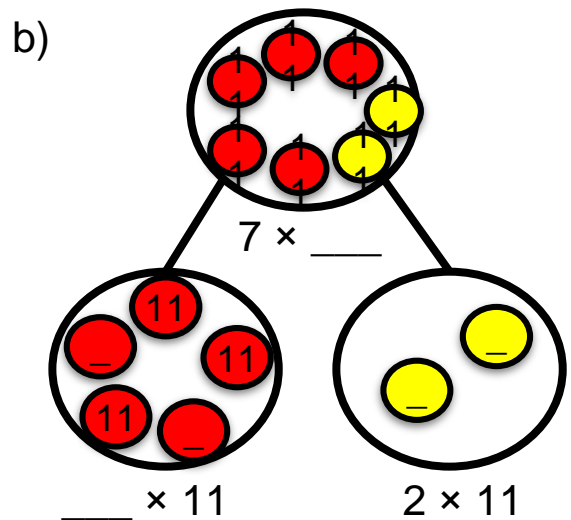
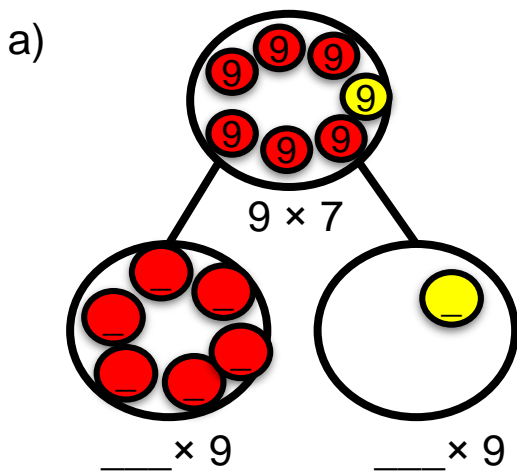
1) Complete the part-part-whole models and stem sentences using your knowledge of the 2, 5 and 6 times tables.



\_\_\_ is equal to 7 minus \_\_\_, so \_\_\_ times \_\_\_ is equal to 7 times 7 minus 1 times \_\_\_

7 is equal to \_\_\_ plus \_\_\_, so 7 times \_\_\_ is equal to \_\_\_ times 7 plus 6 times \_\_\_.

2) Complete the part-part-whole model using the equations.

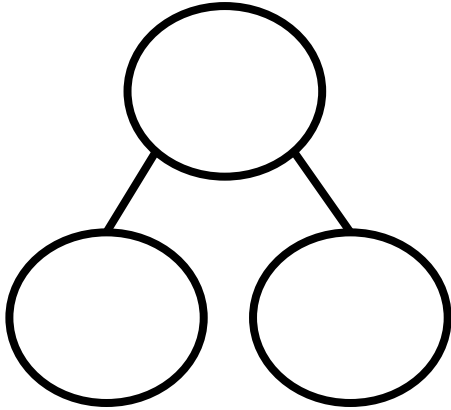


$6 \times \underline{\quad} + \underline{\quad} \times 9 = \underline{\quad} \times \underline{\quad}$

$\underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} = \underline{\quad} \times 11$

3) You will need a set of cards from 1-12. Pick a card and write an equation to multiply by 7

Partition one of the factors using the **distributive law** and represent it as a part-part-whole model and an equation.



$$\underline{\quad} \times \underline{\quad} + \underline{\quad} \times \underline{\quad} = \underline{\quad} \times \underline{\quad}$$

or...

$$\underline{\quad} \times \underline{\quad} - \underline{\quad} \times \underline{\quad} = \underline{\quad} \times \underline{\quad}$$

## Task B: 7 times table problems

1) Using knowledge of 2s, 5s, 6s where appropriate, solve the following problems:

a)  $7 \times 4 = \square$   
 $5 \times 4 + 2 \times 4 = \square$   
 $\square + \square = \square$

b)  $7 \times 12 = \square$   
 $6 \times \square + 1 \times \square = \square$   
 $72 + \square = \square$

c)  $7 \times 6 = \square$   
 $1 \times 7 + 5 \times 7 = \square$   
 $\square + 35 = \square$

d)  $7 \times 11 = \square$   
 $10 \times 7 + 1 \times 7 = \square$   
 $70 + 7 = \square$

2) Complete the following word problems using your knowledge of 2, 5 and 6 times table:

a) Andeep loves Squishy Star sweets which come in packets of 6 sweets. He has 6 packets of Squishy Stars and is given another packet. How many Squishy Stars does he have altogether?

b) Jacob's mum does 6 sets of 7-minute exercises in one day. If she adds on another set, for how many minutes does she exercise in one day?

c) Andeep fills 5 baskets with 7 oranges each. He gives one basket of oranges away. How many oranges does he have in total?

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