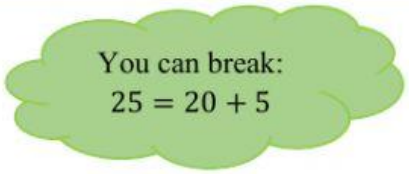
Name: _____ Mark: _____

4. Break Apart to Multiply

A. Visual Learning

How to break apart to multiply?

Find the product: 3×25.





Step 1	Step 2	Step 3
Break apart	Find partial products	Add partial products
$3 \times 25 = 3 \times (20 + 5)$	$3 \times 20 = 60$ $3 \times 5 = 15$	$60 + 15 = 75$



$$\begin{array}{r} 25 \quad (25 = 20 + 5) \\ \times \ 3 \\ \hline 15 \\ +\ 60 \\ \hline 75 \end{array}$$

B. Vocabulary

break apart: _____ partial product: _____

C. Independent Practice

*In **1** – **6**, find each product.*

1. $13 \quad (13 = 10 + 3)$

$$\begin{array}{r} \times \ 6 \\ \hline 18 \\ +\ 60 \\ \hline \square\square \end{array}$$

2. $34 \quad (24 = _ + _)$

$$\begin{array}{r} \times \ 5 \\ \hline 20 \\ +\square\square\square \\ \hline \square\square\square \end{array}$$

3. $67 \quad (67 = _ + _)$

$$\begin{array}{r} \times \ 2 \\ \hline \square\square \\ +\ \square\square\square \\ \hline \square\square\square \end{array}$$

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4.
$$\begin{array}{r} 36 \\ \times\ 2 \\ \hline \\ \hline \\ \end{array}$$

5.
$$\begin{array}{r} 18 \\ \times\ 7 \\ \hline \\ \hline \\ \end{array}$$

6.
$$\begin{array}{r} 55 \\ \times\ 3 \\ \hline \\ \hline \\ \end{array}$$

7. Mr.Cruz weighs 8 cartons. Each carton weighs 17kg.

How many kilograms are there in all?

A. 25kg **B.** 136kg **C.** 856kg **D.** 8,056kg

8. When Tony multiplies 6×27, Tony writes the partial products below.

$$6 \times 7 = 42$$

$$6 \times 2 = 12$$

Is he correct? Explain.

_____

_____

_____

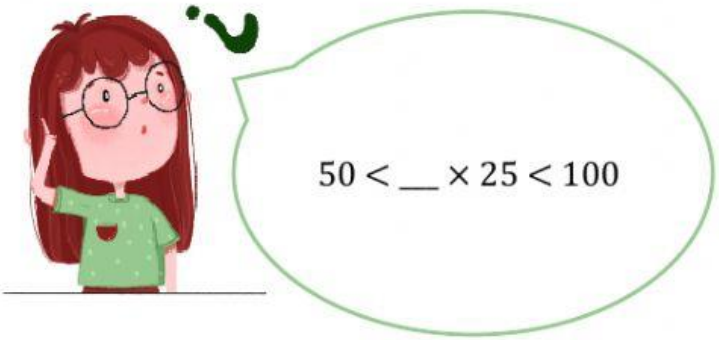
9*. The product of a number and 25 is greater than 50 but less than 100.

What's the number? Explain.

_____

_____

_____



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