

$$a^2 = b^2 + c^2$$

$$a^2 = 3^2 + 4^2$$

$$a^2 = 9 + 16$$

$$\sqrt{a^2} = \sqrt{25}$$

$$a = 5$$

## Les nombres fractionnaires et les fractions impropres.

Pour écrire  $3\frac{5}{8}$  sous la forme d'une fraction impropre:

$$= 3 + \frac{5}{8}$$

$$= \frac{24}{8} + \frac{5}{8}$$

$$= \frac{29}{8}$$

$$3\frac{5}{8} = \frac{29}{8}$$

Pour écrire  $\frac{17}{5}$  sous la forme d'un nombre fractionnaire.

$$= \frac{15}{5} + \frac{2}{5} = 3\frac{2}{5}$$

Pour faire:

$$3\frac{4}{5} = \frac{19}{5}$$

$$\frac{29}{12} = 2\frac{5}{12}$$

$$\begin{array}{r} 2 \\ \times 2 \\ \hline 24 \end{array} \quad \begin{array}{r} 29 \\ -24 \\ \hline 5 \end{array}$$

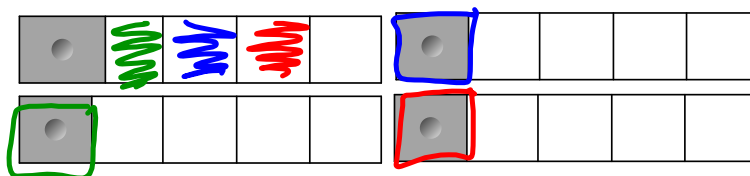
## N6 multiplier les fractions

Des modèles pour multiplier une fraction et un nombre naturel.

Un multiplication est un addition répéter.

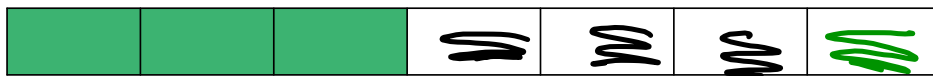
$$\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} = \frac{4}{5}$$

$$4 \times \frac{1}{5} = \frac{4}{5}$$

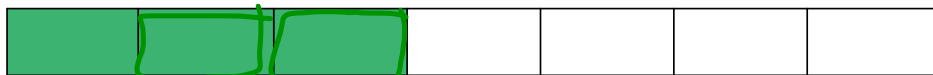


$\frac{4}{5}$

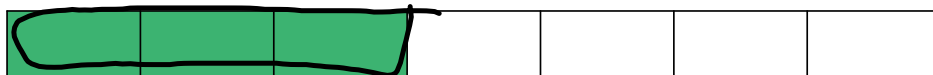
Écris le question et la réponse.



$\frac{3}{7}$



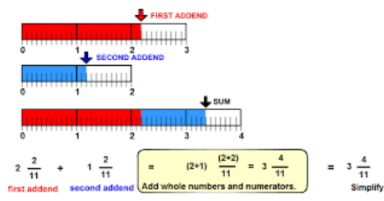
$2\frac{1}{7}$



Le question:

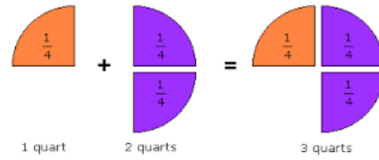
$$\frac{3}{7} + \frac{3}{7} + \frac{3}{7} + \frac{3}{7} + \frac{3}{7} = 5 \times \frac{3}{7} = \frac{3}{7} \times 5 =$$

$$5 \times \frac{3}{7} = \frac{15}{7} = 2\frac{1}{7}$$



1											
1/2						1/2					
1/3				1/3				1/3			
1/4			1/4			1/4			1/4		
1/5		1/5		1/5		1/5		1/5		1/5	
1/6		1/6		1/6		1/6		1/6		1/6	
1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8
1/9	1/9	1/9	1/9	1/9	1/9	1/9	1/9	1/9	1/9	1/9	1/9
1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10	1/10
1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12	1/12

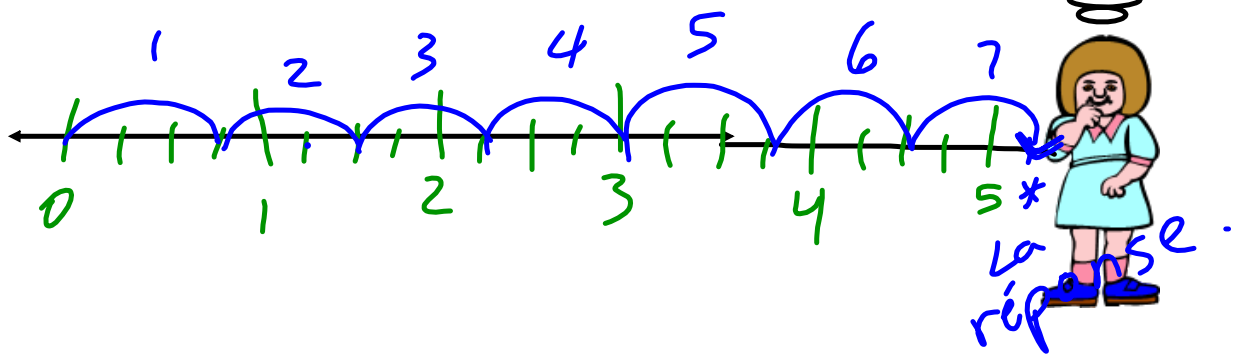
Les modèles peuvent prendre des différentes formes.



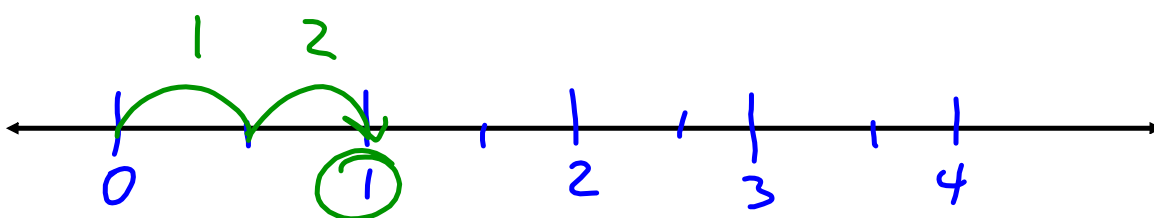
Les droites numériques pour multiplier.

$$7 \times \frac{3}{4} = 5 \frac{1}{4}$$

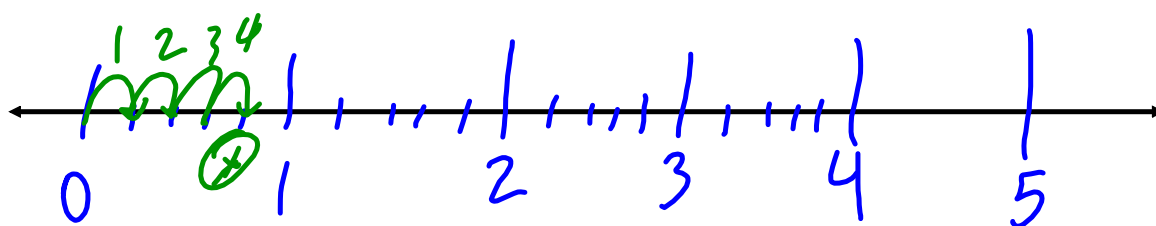
• Divise la droite numérique en quarts.  
• Tu ajoutes 3/4 sept fois.



$$2 \times \frac{1}{2} = 1$$



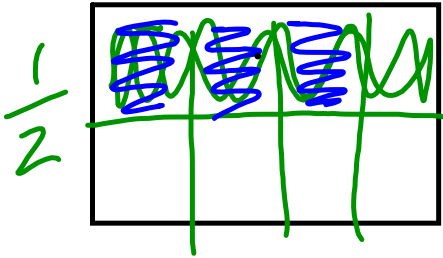
$$4 \times \frac{1}{5} = \frac{4}{5}$$





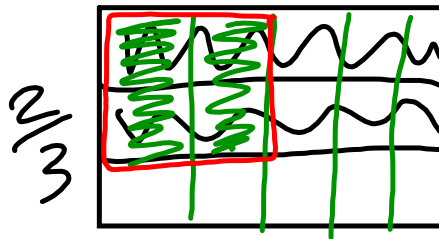
$$\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$$

3/4



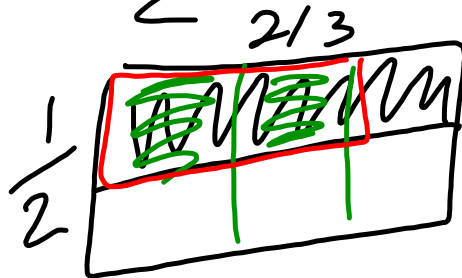
$$\frac{2}{5} \times \frac{2}{3}$$

2/5



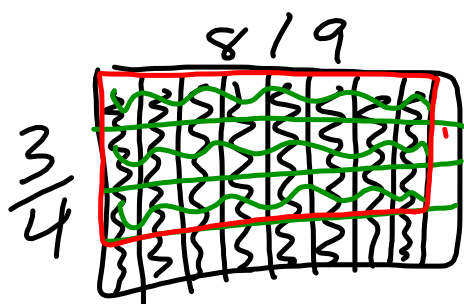
$$\frac{4}{15}$$

$$\frac{2}{3} \times \frac{1}{2}$$



$$= \frac{2}{6} = \frac{1}{3}$$

$$\frac{3}{4} \times \frac{8}{9}$$



$$\frac{24}{36} = \frac{2}{3}$$

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