

Réponses - comparaison de rapports avec les trois méthodes

1. Méthode 1

$$a. \begin{array}{cc} 5:6 & \text{et} & 7:11 \\ \begin{array}{c} \times 11 \\ \downarrow \\ \times 11 \end{array} & & \begin{array}{c} \times 6 \\ \downarrow \\ \times 6 \end{array} \end{array}$$

$$55:66 > 42:66$$

$$D. \begin{array}{cc} 7:9 & \text{et} & 3:4 \\ \begin{array}{c} \times 4 \\ \downarrow \\ \times 4 \end{array} & & \begin{array}{c} \times 9 \\ \downarrow \\ \times 9 \end{array} \end{array}$$

$$28:36 > 27:36$$

$$b. \begin{array}{cc} 3:9 & \text{et} & 5:13 \\ \begin{array}{c} \times 13 \\ \downarrow \\ \times 13 \end{array} & & \begin{array}{c} \times 9 \\ \downarrow \\ \times 9 \end{array} \end{array}$$

$$39:117 < 45:117$$

$$E. \begin{array}{cc} 4:14 & \text{et} & 7:20 \\ \begin{array}{c} \times 20 \\ \downarrow \\ \times 20 \end{array} & & \begin{array}{c} \times 14 \\ \downarrow \\ \times 14 \end{array} \end{array}$$

$$80:280 < 98:280$$

$$C. \begin{array}{cc} 2:3 & \text{et} & 6:10 \\ \begin{array}{c} \times 10 \\ \downarrow \\ \times 10 \end{array} & & \begin{array}{c} \times 3 \\ \downarrow \\ \times 3 \end{array} \end{array}$$

$$20:30 > 18:30$$

$$F. \begin{array}{cc} 9:12 & \text{et} & 3:4 \\ \begin{array}{c} \times 3 \\ \downarrow \\ \times 3 \end{array} & & \begin{array}{c} \times 3 \\ \downarrow \\ \times 3 \end{array} \end{array}$$

$$= 9:12$$

2. Méthode 2

$$A. \begin{array}{cc} 3:8 & \text{et} & 5:9 \\ \begin{array}{c} \div 8 \\ \downarrow \\ \div 8 \end{array} & & \begin{array}{c} \div 9 \\ \downarrow \\ \div 9 \end{array} \end{array}$$

$$0,375:1 < 0,555:1$$

$$D. \begin{array}{cc} 2:6 & \text{et} & 3:5 \\ \begin{array}{c} \div 6 \\ \downarrow \\ \div 6 \end{array} & & \begin{array}{c} \div 5 \\ \downarrow \\ \div 5 \end{array} \end{array}$$

$$0,33:1 < 0,6:1$$

$$B. \begin{array}{cc} 1:9 & \text{et} & 2:14 \\ \begin{array}{c} \div 9 \\ \downarrow \\ \div 9 \end{array} & & \begin{array}{c} \div 14 \\ \downarrow \\ \div 14 \end{array} \end{array}$$

$$0,11:1 < 0,14:1$$

$$E. \begin{array}{cc} 4:10 & \text{et} & 11:21 \\ \begin{array}{c} \div 10 \\ \downarrow \\ \div 10 \end{array} & & \begin{array}{c} \div 21 \\ \downarrow \\ \div 21 \end{array} \end{array}$$

$$0,4:1 < 0,52:1$$

$$C. \begin{array}{cc} 6:7 & \text{et} & 8:10 \\ \begin{array}{c} \div 7 \\ \downarrow \\ \div 7 \end{array} & & \begin{array}{c} \div 10 \\ \downarrow \\ \div 10 \end{array} \end{array}$$

$$0,86:1 > 0,8:1$$

$$F. \begin{array}{cc} 8:14 & \text{et} & 6:11 \\ \begin{array}{c} \div 14 \\ \downarrow \\ \div 14 \end{array} & & \begin{array}{c} \div 11 \\ \downarrow \\ \div 11 \end{array} \end{array}$$

$$0,57:1 > 0,54:1$$

3. Méthode 3

A. 1:3 et 4:13

$$\begin{array}{cc} \downarrow & \downarrow \\ 1:4 & 4:17 \\ \times 17 \downarrow & \times 4 \downarrow \end{array}$$

$$17:68 > 16:68$$

F. 4:9 et 3:4

$$\begin{array}{cc} \downarrow & \downarrow \\ 4:13 & 3:7 \\ \times 7 \downarrow & \times 13 \downarrow \end{array}$$

$$28:91 < 39:91$$

B. 10:15 et 8:10

$$\begin{array}{cc} \downarrow & \downarrow \\ 10:25 & 8:18 \\ \times 14 \downarrow & \times 25 \downarrow \end{array}$$

$$140:450 < 200:450$$

C. 6:9 et 4:5

$$\begin{array}{cc} \downarrow & \downarrow \\ 6:15 & 4:9 \\ \times 3 \downarrow & \times 5 \downarrow \end{array}$$

$$18:45 < 20:45$$

D. 1:2 et 6:15

$$\begin{array}{cc} \downarrow & \downarrow \\ 1:3 & 6:21 \\ \times 2 \downarrow & \end{array}$$

$$2:6 >$$

E. 7:12 et 2:3

$$\begin{array}{cc} \downarrow & \downarrow \\ 7:19 & 2:5 \\ \times 5 \downarrow & \times 19 \downarrow \end{array}$$

$$35:95 < 38:95$$