

NAME _____

DATE _____

EQUIVALENT RATIOS

Proportions can be solved the same way as finding equivalent fractions. Examples.

$$\frac{2}{3} : \frac{2}{6}$$

$$\frac{2}{3} = \frac{2}{3} \times \frac{2}{2} = \frac{4}{6}$$

1. QUESTION

Match the statements with the same rate of boxes per truck.

SORT ELEMENTS

- ☐ three trucks and twelve boxes
- ☐ four boxes and twelve boxes
- ☐ one truck and three boxes

three trucks and nine boxes	
two trucks and six boxes	
two trucks and eight boxes	

2. QUESTION

Match the following ratios.

Draw lines from A to B to match the ratios.

A - 3/10

2/4

6:4

5:2

5 to 3

6 to 2

B - 10:4

6/20

3:2

3 to 1

4/8

15 to 9

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3. QUESTION

Express the following to its lowest terms.

Example

$$3 \text{ to } 9 = \mathbf{1 \text{ to } 3}$$

a) $16 : 20 = \boxed{} : \boxed{}$

b) $60 : 200 = \boxed{} : \boxed{}$

c) $3.50 \text{ to } 0.75 = \boxed{} \text{ to } \boxed{}$

d) $8 \text{ to } 12 = \boxed{} \text{ to } \boxed{}$

e) $20 \text{ to } 50 = \boxed{} \text{ to } \boxed{}$

f) $\frac{5}{10} \text{ to } \frac{8}{12} = \frac{1}{2} \text{ to } \underline{\hspace{2cm}}$

g) $20 \text{ to } 30 =$

h) $40 : 10 =$

i) $100 \text{ to } 25 =$

j) $11/33 =$