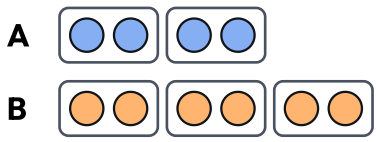
Names (pair) _____ Date _____

Comparing with a Fraction

Example



A has 4 counters, B has 6 counters. We put them in equal groups of 2: A has 2 groups, B has 3 groups.

A is $\frac{2}{3}$ of B, so A : B = 2 : 3.

The other way round: B is $\frac{3}{2}$ of A, so B : A = 3 : 2.

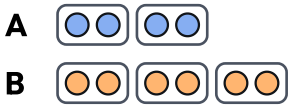
A is $\frac{2}{3}$ of B ⇔ A : B = 2 : 3

Remember

If A is $\frac{2}{3}$ of B, A has **2 equal units** and B has **3 such units**. So A : B = 2 : 3 and B is $\frac{3}{2}$ of A.

1 ON YOUR OWN Look at the groups and fill in.

a)



A is $\frac{\square}{\square}$ of B A : B = $\square$: $\square$ B is $\frac{\square}{\square}$ of A

b)



A is $\frac{\square}{\square}$ of B A : B = $\square$: $\square$ B is $\frac{\square}{\square}$ of A

c)



A is $\frac{\square}{\square}$ of B A : B = $\square$: $\square$ B is $\frac{\square}{\square}$ of A

d)



A is $\frac{\square}{\square}$ of B A : B = $\square$: $\square$ B is $\frac{\square}{\square}$ of A

Names (group) _____ Date _____

2 IN PAIRS **Build and draw.** One student builds with counters (or uses the *Set of Objects* app, *Ratio* mode), the other draws the bar model and writes the ratio. Swap roles.

a) **A is $\frac{3}{4}$ of B**

A : B = ☐ : ☐ B is ☐/☐ of A

b) **A is $\frac{2}{5}$ of B**

A : B = ☐ : ☐ B is ☐/☐ of A

c) **A is $\frac{5}{3}$ of B**

A : B = ☐ : ☐ B is ☐/☐ of A

d) **A is $\frac{1}{2}$ of B**

A : B = ☐ : ☐ B is ☐/☐ of A

3 IN A GROUP **From sentence to ratio.** Write the ratio A : B. Then find the two sentences that say the same thing.

Sentence	A : B
A is $\frac{2}{3}$ of B	☐ : ☐
B is $\frac{2}{3}$ of A	☐ : ☐
A is $\frac{3}{2}$ of B	☐ : ☐
B is $\frac{1}{4}$ of A	☐ : ☐
A is $\frac{4}{5}$ of B	☐ : ☐

★ ON YOUR OWN **Exit card.** Ana has $\frac{3}{5}$ as many stickers as Ivan. Ana : Ivan = ☐ : ☐

Ivan has ☐/☐ as many as Ana.