Fractions...

How to introduce fractions?

Chocolate?
1893

SMARTIES
Blue

How many of each colour?

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Fraction of Blue smarties...

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Fraction of Blue smarties...

$$\frac{4}{33}$$

Fraction of Blue smarties...

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

$$\frac{4}{33}$$

Numerator

Fraction of Blue smarties...

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

$$\frac{4}{33}$$

Numerator

Denominator

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Fraction of Red smarties...

Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Fraction of Red smarties...

$$\frac{6}{33}$$

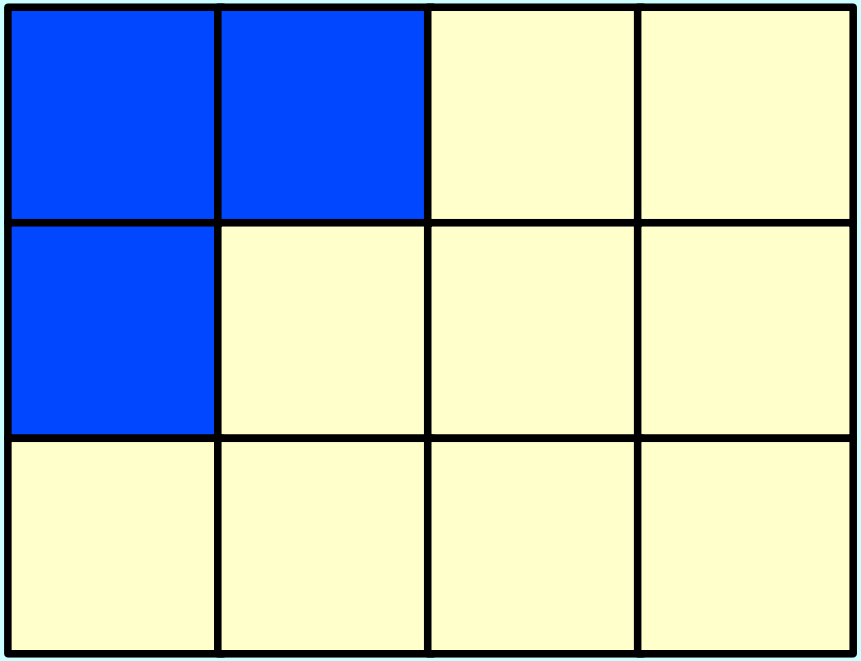
Blue	4
Yellow	3
Pink	3
Purple	6
Orange	4
Brown	5
Red	6
Green	2
Total	33

Fraction of Red smarties...

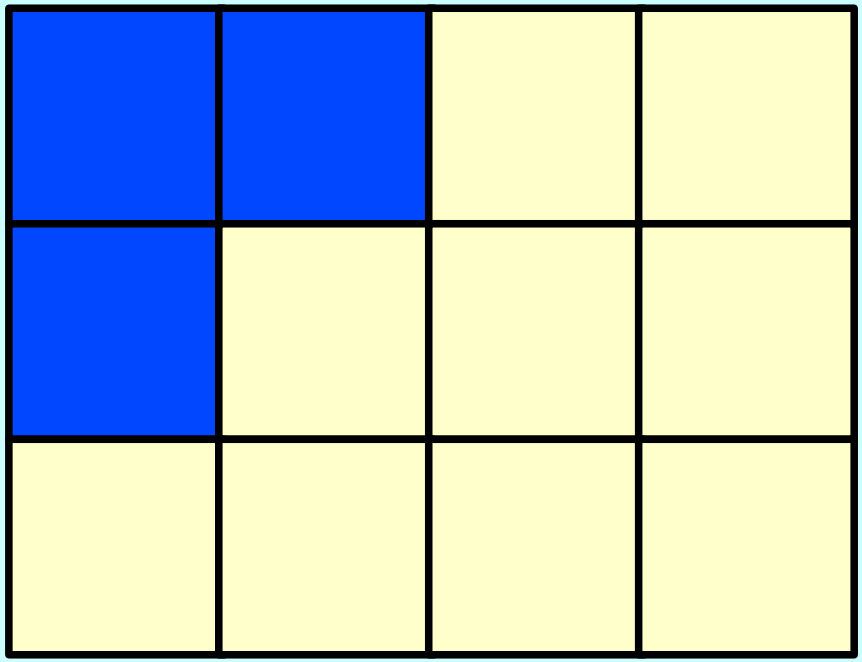
$$\frac{6}{33}$$

6 and 33
Something Fishy?

Equivalent Fractions

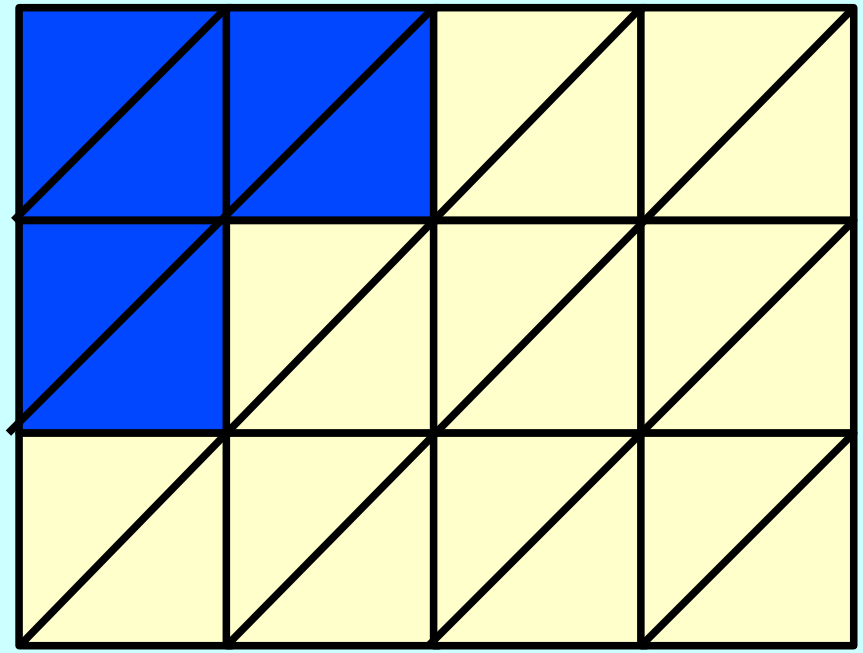


Fraction of squares blue?

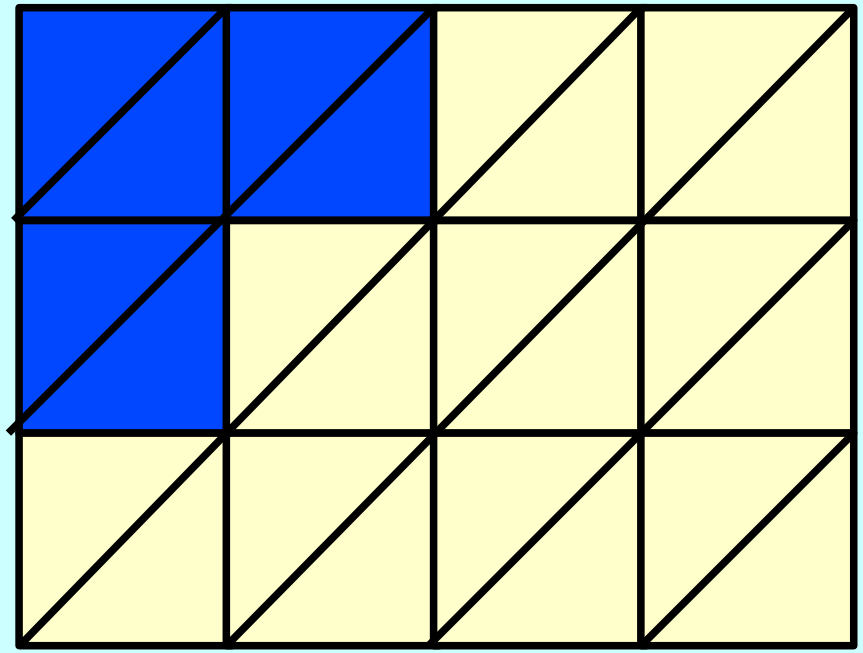


Fraction of squares blue?

$$\frac{3}{12}$$

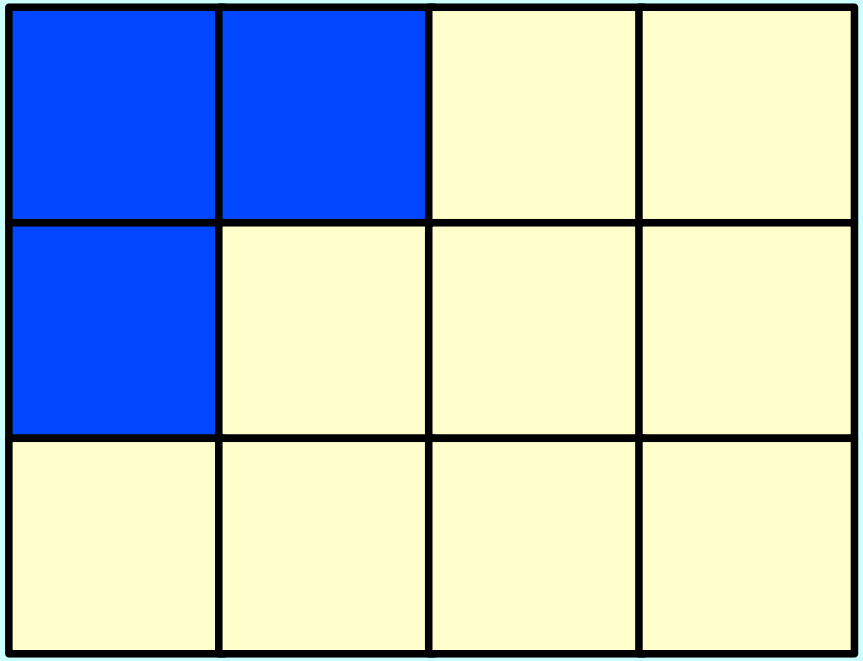


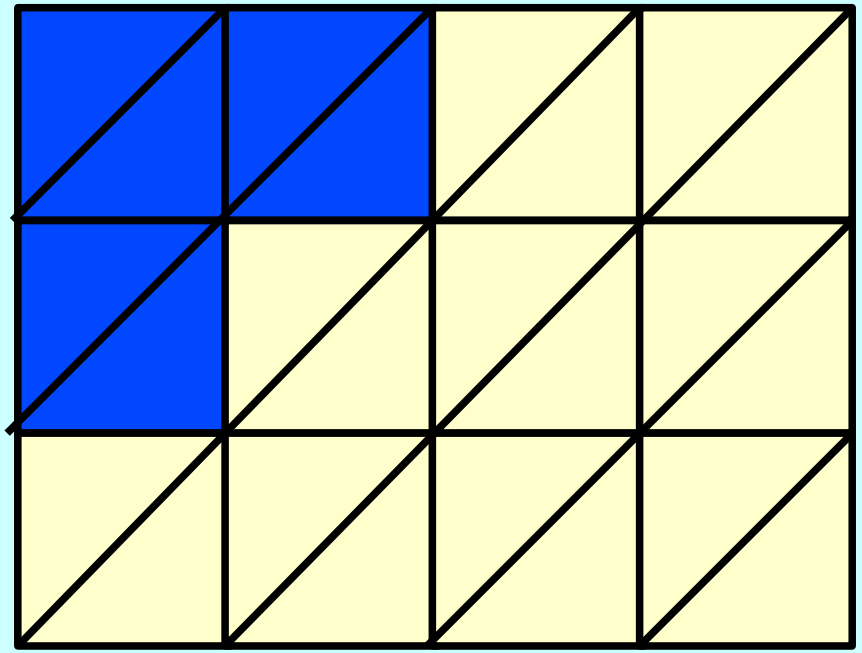
Fraction of triangles blue?



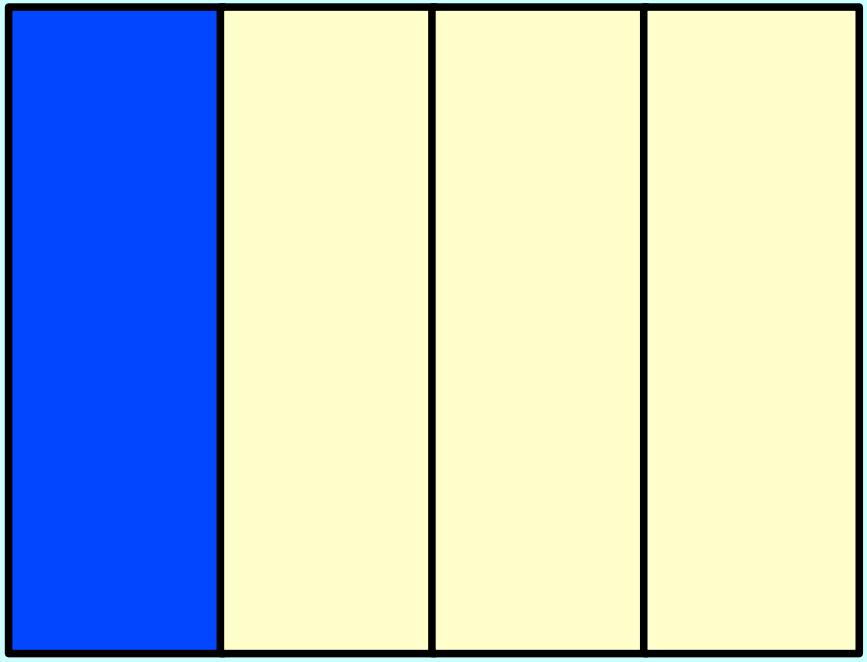
Fraction of triangles blue?

$$\frac{6}{24}$$

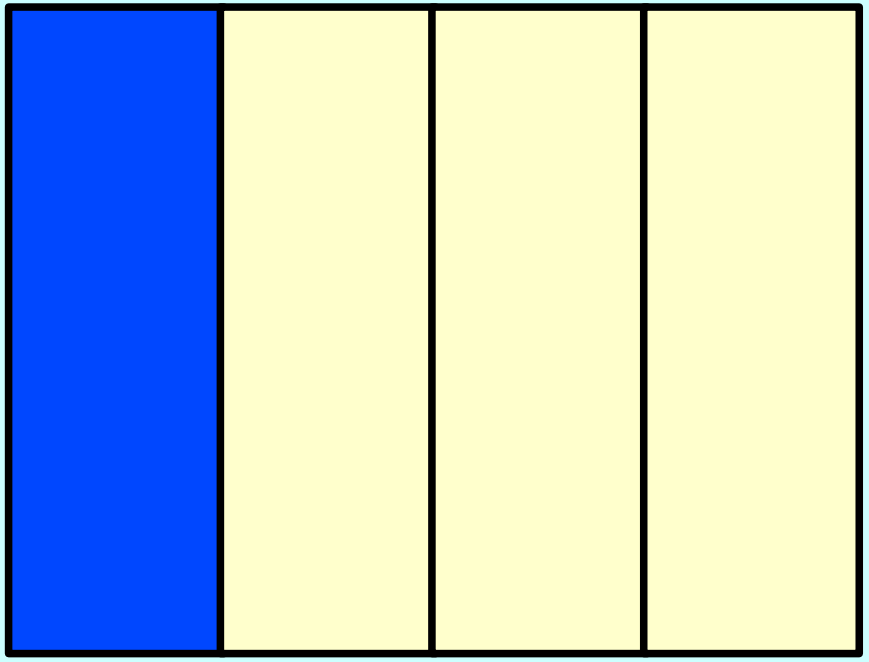




$\frac{3}{12}$ **Equivalent to** $\frac{6}{24}$



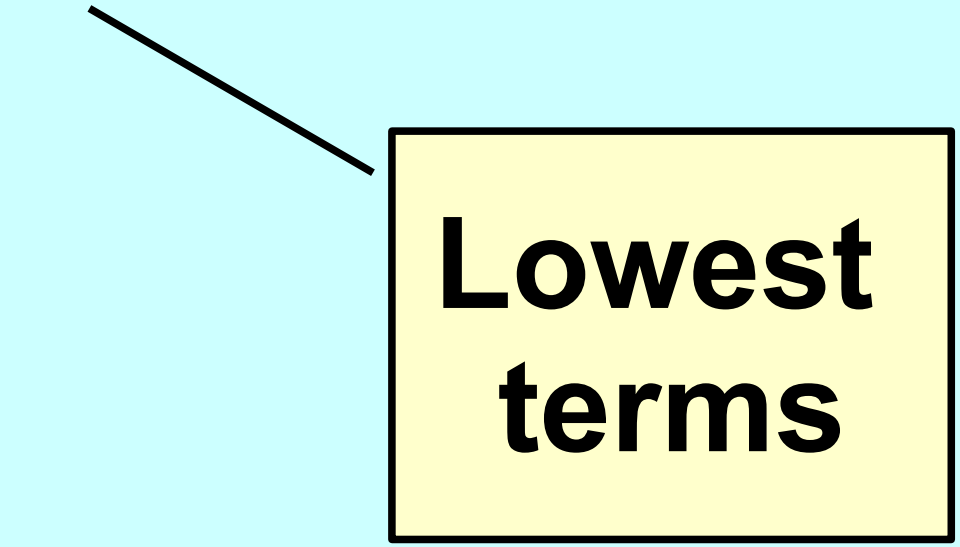
Fraction of rectangles blue?



$\frac{1}{4}$

Fraction of rectangles blue?

$$\frac{1}{4} \qquad \frac{3}{12} \qquad \frac{6}{24}$$

All equivalent
Which one 'special'?

$$\frac{1}{4} \qquad \frac{3}{12} \qquad \frac{6}{24}$$