

# Equivalent Fractions

Work out these equivalent fractions:

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

2.  $\frac{4}{\square} = \frac{2}{4}$

3.  $\frac{1}{5} = \frac{4}{\square}$

4.  $\frac{1}{4} = \frac{\square}{12}$

5.  $\frac{4}{\square} = \frac{8}{12}$

6.  $\frac{2}{\square} = \frac{1}{6}$

In your own words, explain how to find an equivalent fraction.

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Now, work out these equivalent fractions:

7.  $\frac{6}{\square} = \frac{2}{3}$

8.  $\frac{\square}{16} = \frac{3}{8}$

9.  $\frac{5}{6} = \frac{\square}{24}$

10.  $\frac{\square}{8} = \frac{14}{56}$

11.  $\frac{4}{7} = \frac{\square}{28}$

12.  $\frac{9}{13} = \frac{45}{\square}$

Sam says that  $\frac{2}{3}$  is equivalent to  $\frac{3}{9}$ . Is he correct? Explain your answer.

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## Year 6 Spring 1 Maths Activity Mat 6

### Section 1

A packet of pens has three red and five blue pens. Ali buys some packets of pens. There are 15 blue pens. How many red pens are there?

### Section 2

$$y = x - 3$$

If  $x = 4$ , what is  $y$ ?

If  $y = 7$ , what is  $x$ ?

### Section 3

Calculate

50% of £24 =

25% of £32 =

### Section 4

Calculate:

$$\frac{1}{4} + \frac{1}{2} =$$

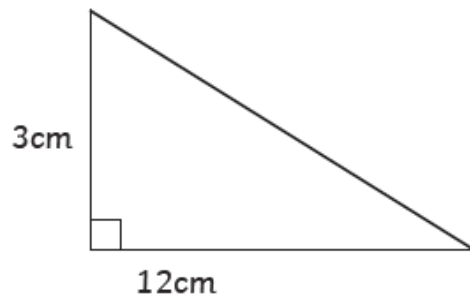
$$\frac{4}{5} - \frac{3}{10} =$$

### Section 5

There are 11 people in a cafe. Coffee is £2 and tea is £1.50. The takings are £20, of which £6 was taken on tea. How many people drink coffee?

### Section 6

Calculate the area of this right-angled triangle.



### Section 7

Write the name of a regular shape with internal angles of  $90^\circ$ .

### Section 8

Majid has some pencils. Nine are freshly sharpened, but 6 need sharpening. Express the total number of pencils algebraically, using  $p$  to represent the total number of pencils.