

# Divide a fraction by a fraction

|      |      |                      |
|------|------|----------------------|
| NAME | DATE | SCORE<br><b>/ 10</b> |
|------|------|----------------------|

**1**  $\frac{1}{6} \div \frac{4}{7} = ?$  Give the answer in lowest terms.

**2** Ivy has  $\frac{1}{3}$  cup of yogurt. Each serving is  $\frac{1}{8}$  cup. How many servings does Ivy have? Give the answer in lowest terms.

**3** Cleo worked out  $\frac{2}{5} \div \frac{2}{3}$  in the steps below. Which step is the first one that is wrong?

**Step 1:**  $\frac{2}{5} \div \frac{2}{3} = \frac{5}{2} \times \frac{2}{3}$

**Step 2:**  $= \frac{10}{6}$

**Step 3:**  $= \frac{5}{3}$

☐ Step 1   ☐ Step 2   ☐ Step 3

**4**  $\frac{3}{7} \div \frac{1}{7} = ?$

**5** A rectangle has an area of  $\frac{2}{5}$  square metre. The rectangle is  $\frac{3}{5}$  metre wide. How long is the rectangle, in metres? Give the answer in lowest terms.

6

Leo worked out  $\frac{2}{7} \div \frac{3}{7}$  in the steps below. Which step is the first one that is wrong?

**Step 1:**  $\frac{2}{7} \div \frac{3}{7} = \frac{2}{7} \times \frac{7}{3}$

**Step 2:**  $= \frac{14}{21}$

**Step 3:**  $= \frac{2}{4}$

☐ Step 1   ☐ Step 2   ☐ Step 3

7

$\frac{1}{9} \div \frac{1}{10} = ?$  Give the answer in lowest terms.

8

A rectangle has an area of  $\frac{1}{3}$  square metre. The rectangle is  $\frac{1}{6}$  metre wide. How long is the rectangle, in metres?

9

$\frac{7}{8} \div \frac{11}{12} = ?$  Give the answer in lowest terms.

10

$\frac{3}{7} \div \frac{1}{2} = ?$  Give the answer in lowest terms.

# Divide a fraction by a fraction

---

**1**  $7/24$ 

---

**3** Step 1

---

**5**  $2/3$ 

---

**7**  $10/9$ 

---

**9**  $21/22$ 

---

**2**  $2 \frac{2}{3}$ 

---

**4** 3

---

**6** Step 3

---

**8** 2

---

**10**  $6/7$