

GCSE Maths: Multiplying fractions (Foundation): worksheet

GCSE Maths - Fractions - Foundation - Lesson 3.6

Name: _____

Date: _____

Score: _____

9 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/gcse/maths/ch03-fractions/foundation/multiplying-fractions/

Exercise 3F Multiplying fractions Non-calculator

1 Work out. Give each answer in its simplest form.

(a) $\frac{1}{2} \times \frac{1}{3}$

Answer: _____

(b) $\frac{2}{5} \times \frac{3}{7}$

Answer: _____

(c) $\frac{3}{4} \times \frac{2}{9}$

Answer: _____

(d) $\frac{4}{5} \times \frac{3}{8}$

Answer: _____

(e) $\frac{5}{6} \times \frac{3}{10}$

Answer: _____

(f) $\frac{7}{9} \times \frac{3}{14}$

Answer: _____

2 Work out.

(a) $3 \times \frac{2}{5}$

Answer: _____

(b) $4 \times \frac{3}{8}$

Answer: _____

(c) $6 \times \frac{5}{9}$

Answer: _____

(d) $\frac{2}{3} \times 12$

Answer: _____

(e) $\frac{5}{7} \times 14$

Answer: _____

(f) $\frac{3}{4} \times 10$

Answer:

3 Work out. Give each answer as a mixed number or fraction in its simplest form.

(a) $1\frac{1}{2} \times \frac{2}{3}$

Answer:

(b) $2\frac{1}{4} \times 1\frac{1}{3}$

Answer:

(c) $3\frac{1}{3} \times 1\frac{4}{5}$

Answer:

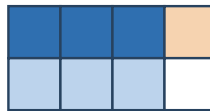
(d) $2\frac{2}{5} \times 1\frac{1}{4}$

Answer:

(e) $1\frac{3}{4} \times 2\frac{2}{7}$

Answer:

4 Use the diagram to work out $\frac{1}{2} \times \frac{3}{4}$.



Answer:

5 A rectangle has length $\frac{3}{4}$ m and width $\frac{2}{3}$ m. Work out its area.

Answer:

6 A tank is $\frac{3}{5}$ full of water. $\frac{1}{4}$ of this water is used. What fraction of the whole tank is used?

Answer:

7 Sam says "When you multiply two numbers, the answer is always bigger than both of them." Show that Sam is wrong by giving an example.

Answer:

8 A triangle has base $1\frac{1}{2}$ cm and height $2\frac{2}{3}$ cm. Work out its area. (Area of a triangle = $\frac{1}{2} \times \text{base} \times \text{height}$.)

Answer:

9 **Challenge.** Find the missing fraction: $\frac{2}{3} \times ? = \frac{1}{6}$

Answer: