YEAR 6 • FRACTIONS

Multiplying and Dividing Fractions

Name: _____ Date: _____

Show your working. Simplify each answer where possible. To divide, change ÷ to × and use the reciprocal of the second fraction.

A. Multiply

QUESTIONS 1–6

1 $\frac{2}{3} \times \frac{3}{5} =$ _____

Working _____

2 $\frac{4}{7} \times \frac{2}{3} =$ _____

Working _____

3 $\frac{5}{8} \times \frac{4}{5} =$ _____

Working _____

4 $\frac{3}{10} \times \frac{5}{6} =$ _____

Working _____

5 $1\frac{1}{2} \times \frac{2}{3} =$ _____

Working _____

6 $2\frac{1}{4} \times \frac{4}{9} =$ _____

Working _____

B. Divide using the inverse operation

QUESTIONS 7–12

7 $\frac{3}{4} \div \frac{2}{5} =$ _____

Rewrite and work

8 $\frac{5}{6} \div \frac{1}{3} =$ _____

Rewrite and work

9 $\frac{7}{8} \div \frac{7}{12} =$ _____

Rewrite and work

10 $\frac{2}{3} \div \frac{4}{9} =$ _____

Rewrite and work

11 $1\frac{1}{2} \div \frac{3}{4} =$ _____

Rewrite and work

12 $2\frac{1}{5} \div \frac{1}{2} =$ _____

Rewrite and work

C. Solve the problems

SHOW YOUR WORKING AND INCLUDE UNITS

13 A recipe uses $\frac{3}{4}$ of a litre of juice for one jug. How much juice is needed for $2\frac{1}{2}$ jugs?

Answer: _____ litres

14 Sam has $\frac{5}{6}$ m of ribbon and cuts it into pieces that are each $\frac{1}{12}$ m long. How many pieces can Sam cut?

Answer: _____ pieces