Name: _____ Date: _____

Fractions (including decimals and percentages)

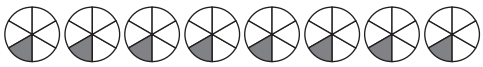
1

Multiply these fractions using the diagrams to help.
Write your answer as an improper fraction and as a mixed number.

a)

$\frac{1}{2} \times 5 =$ 5/2 = 2½

b)



$\frac{1}{6} \times 8 =$ 8/6 = 1 1/3

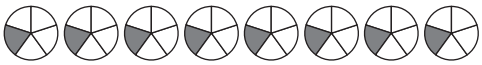
c)

$\frac{1}{4} \times 5 =$ 5/4 = 1¼

d)

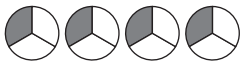
$\frac{1}{4} \times 7 =$ 7/4 = 1 3/4

e)



$\frac{1}{5} \times 8 =$ 8/5 = 1 3/5

f)



$\frac{1}{3} \times 4 =$ 4/3 = 1 1/3

1
12 marks

2

Multiply these fractions. Write your answer as an improper fraction and as a mixed number. Show any working.

a) $\frac{3}{4} \times 8 =$ 24/4 = 6

b) $\frac{5}{6} \times 3 =$ 15/6 = 2½

c) $\frac{2}{5} \times 7 =$ 14/7 = 2

d) $\frac{2}{7} \times 4 =$ 8/7 = 1 1/7

e) $\frac{2}{3} \times 5 =$ 10/3 = 3 1/3

f) $\frac{7}{10} \times 6 =$ 42/10 = 4 1/5

2
12 marks

Name: _____ Date: _____

Fractions (including decimals and percentages)

3 Multiply these mixed numbers. Write your answer as an improper fraction and as a mixed number. Show any working.

a) $4\frac{1}{5} \times 2 =$ 42/5 = 8 2/5

b) $1\frac{4}{5} \times 4 =$ 36/5 = 7 1/5

c) $4\frac{4}{7} \times 3 =$ 96/7 = 13 5/7

d) $3\frac{1}{6} \times 4 =$ 76/6 = 12 2/3

e) $1\frac{1}{3} \times 3 =$ 12/3 = 4

f) $2\frac{5}{8} \times 6 =$ 126/8 = 15¾

g) $3\frac{2}{3} \times 2 =$ 22/3 = 7 1/3

h) $2\frac{1}{4} \times 7 =$ 63/4 = 15¾

3
16 marks

- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams

Total: ____ out of 40 Mastery: NYA A A&E