

MATHLETICS

Inspiring Better Results

Fractions

Student Book - Series H-1

Simplify
 $6\frac{1}{2} + 1\frac{2}{3}$



Mathletics
Instant
Workbooks



Fractions

Student Book - Series H

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Author of The Topics and Topic Tests: AS Kalra

Fractions

Topic 1: Equivalent fractions

QUESTION 1 Complete the following to make equivalent fractions.

a $\frac{1}{2} = \frac{\quad}{4}$

b $\frac{1}{3} = \frac{\quad}{6}$

c $\frac{1}{5} = \frac{\quad}{10}$

d $\frac{1}{10} = \frac{\quad}{100}$

e $\frac{7}{10} = \frac{\quad}{50}$

f $\frac{1}{5} = \frac{\quad}{100}$

g $\frac{3}{5} = \frac{\quad}{40}$

h $\frac{3}{4} = \frac{\quad}{16}$

i $\frac{2}{7} = \frac{\quad}{21}$

j $\frac{3}{8} = \frac{\quad}{64}$

k $\frac{5}{6} = \frac{\quad}{24}$

l $\frac{4}{7} = \frac{\quad}{35}$

m $\frac{7}{8} = \frac{\quad}{24}$

n $\frac{2}{9} = \frac{\quad}{81}$

o $\frac{3}{4} = \frac{\quad}{20}$

p $\frac{2}{3} = \frac{8}{\quad}$

QUESTION 2 Find the missing number to complete the equation.

a $\frac{5}{20} = \frac{\quad}{4}$

b $\frac{18}{36} = \frac{1}{\quad}$

c $\frac{8}{20} = \frac{4}{\quad}$

d $\frac{16}{20} = \frac{4}{\quad}$

e $\frac{14}{20} = \frac{\quad}{10}$

f $\frac{1}{4} = \frac{\quad}{100}$

g $\frac{6}{14} = \frac{3}{\quad}$

h $\frac{12}{36} = \frac{1}{\quad}$

i $\frac{5}{9} = \frac{30}{\quad}$

j $\frac{3}{8} = \frac{24}{\quad}$

k $\frac{2}{9} = \frac{\quad}{90}$

l $\frac{3}{7} = \frac{30}{\quad}$

QUESTION 3 Complete these equivalent fractions.

a $\frac{3}{4} = \frac{\quad}{64}$

b $\frac{\quad}{96} = \frac{6}{24}$

c $\frac{7}{9} = \frac{28}{\quad}$

d $\frac{4}{5} = \frac{\quad}{250}$

e $\frac{\quad}{20} = \frac{16}{80}$

f $\frac{12}{\quad} = \frac{3}{8}$

g $\frac{7}{8} = \frac{\quad}{64}$

h $\frac{15}{20} = \frac{3}{\quad}$

Fractions

Topic 2: Simplifying fractions

QUESTION 1 Write the following fractions in simplest form.

a $\frac{10}{20} = \text{---}$

b $\frac{30}{50} = \text{---}$

c $\frac{80}{100} = \text{---}$

d $\frac{10}{25} = \text{---}$

e $\frac{4}{32} = \text{---}$

f $\frac{8}{12} = \text{---}$

g $\frac{12}{36} = \text{---}$

h $\frac{24}{48} = \text{---}$

i $\frac{6}{32} = \text{---}$

j $\frac{9}{81} = \text{---}$

k $\frac{8}{56} = \text{---}$

l $\frac{32}{48} = \text{---}$

QUESTION 2 Write in simplest form.

a $\frac{104}{200} = \text{---}$

b $\frac{136}{512} = \text{---}$

c $\frac{38}{57} = \text{---}$

d $\frac{46}{48} = \text{---}$

e $\frac{27}{36} = \text{---}$

f $\frac{32}{44} = \text{---}$

g $\frac{88}{99} = \text{---}$

h $\frac{16}{64} = \text{---}$

i $\frac{36}{84} = \text{---}$

j $\frac{20}{84} = \text{---}$

k $\frac{38}{58} = \text{---}$

l $\frac{25}{625} = \text{---}$

m $\frac{49}{147} = \text{---}$

n $\frac{60}{75} = \text{---}$

o $\frac{70}{84} = \text{---}$

p $\frac{16}{128} = \text{---}$

QUESTION 3 Write in simplest form, leaving as mixed numbers.

a $2\frac{6}{8} = \text{---}$

b $5\frac{8}{16} = \text{---}$

c $9\frac{3}{6} = \text{---}$

d $4\frac{5}{30} = \text{---}$

e $3\frac{4}{16} = \text{---}$

f $7\frac{10}{20} = \text{---}$

g $5\frac{8}{12} = \text{---}$

h $8\frac{3}{12} = \text{---}$

Fractions

Topic 3: Proper fractions, improper fractions and mixed numbers

QUESTION 1 Write whether each fraction is proper, improper or a mixed number.

a $2\frac{1}{3}$ _____ b $\frac{5}{6}$ _____ c $\frac{41}{35}$ _____ d $\frac{2}{9}$ _____

e $5\frac{3}{4}$ _____ f $1\frac{1}{2}$ _____ g $5\frac{1}{4}$ _____ h $9\frac{2}{3}$ _____

i $\frac{17}{6}$ _____ j $\frac{1}{12}$ _____ k $\frac{41}{5}$ _____ l $\frac{11}{13}$ _____

m $\frac{2}{5}$ _____ n $\frac{8}{9}$ _____ o $6\frac{3}{4}$ _____ p $\frac{18}{4}$ _____

QUESTION 2 Write each mixed number as an improper fraction.

a $1\frac{2}{5} =$ _____ b $3\frac{5}{8} =$ _____ c $7\frac{8}{9} =$ _____ d $2\frac{5}{6} =$ _____

e $10\frac{1}{2} =$ _____ f $21\frac{2}{3} =$ _____ g $5\frac{3}{4} =$ _____ h $8\frac{1}{5} =$ _____

i $30\frac{2}{3} =$ _____ j $10\frac{3}{11} =$ _____ k $7\frac{1}{7} =$ _____ l $1\frac{9}{10} =$ _____

m $5\frac{1}{6} =$ _____ n $30\frac{1}{7} =$ _____ o $2\frac{7}{9} =$ _____ p $5\frac{1}{7} =$ _____

QUESTION 3 Write each improper fraction as a mixed number.

a $\frac{10}{7} =$ _____ b $\frac{5}{2} =$ _____ c $\frac{7}{3} =$ _____ d $\frac{9}{4} =$ _____

e $\frac{20}{13} =$ _____ f $\frac{35}{2} =$ _____ g $\frac{84}{9} =$ _____ h $\frac{36}{7} =$ _____

i $\frac{41}{8} =$ _____ j $\frac{49}{5} =$ _____ k $\frac{63}{8} =$ _____ l $\frac{52}{7} =$ _____

Fractions

Topic 4: Addition and subtraction of fractions with the same denominator

QUESTION 1 Add or subtract the following fractions.

a $\frac{2}{10} + \frac{5}{10} =$ _____

b $\frac{1}{5} + \frac{2}{5} =$ _____

c $\frac{3}{8} + \frac{2}{8} =$ _____

d $\frac{3}{20} + \frac{4}{20} =$ _____

e $\frac{1}{8} + \frac{1}{8} =$ _____

f $\frac{5}{7} - \frac{1}{7} =$ _____

g $\frac{2}{9} + \frac{5}{9} =$ _____

h $\frac{3}{7} + \frac{2}{7} =$ _____

i $\frac{5}{9} + \frac{2}{9} =$ _____

j $\frac{8}{11} - \frac{6}{11} =$ _____

k $\frac{5}{22} - \frac{3}{22} =$ _____

l $\frac{2}{9} - \frac{1}{9} =$ _____

m $\frac{7}{12} - \frac{3}{12} =$ _____

n $\frac{8}{33} + \frac{4}{33} =$ _____

o $\frac{5}{9} - \frac{2}{9} =$ _____

QUESTION 2 Add or subtract the following fractions, giving answers as mixed numbers.

a $\frac{4}{10} + \frac{7}{10} =$ _____

b $\frac{3}{4} + \frac{3}{4} =$ _____

c $\frac{4}{5} + \frac{3}{5} =$ _____

d $\frac{17}{20} + \frac{8}{20} =$ _____

e $\frac{19}{10} - \frac{3}{10} =$ _____

f $\frac{45}{38} - \frac{1}{38} =$ _____

g $\frac{6}{5} + \frac{8}{5} =$ _____

h $\frac{13}{10} - \frac{2}{10} =$ _____

i $\frac{48}{20} - \frac{21}{20} =$ _____

j $\frac{17}{3} - \frac{10}{3} =$ _____

k $\frac{15}{7} - \frac{4}{7} =$ _____

l $\frac{27}{10} - \frac{12}{10} =$ _____

m $\frac{251}{100} - \frac{50}{100} =$ _____

n $\frac{1361}{1000} - \frac{261}{1000} =$ _____

o $\frac{18}{11} - \frac{5}{11} =$ _____

Fractions

Topic 5: Addition and subtraction of fractions with different denominators

QUESTION 1 Work out the addition or subtraction of the following fractions.

a $\frac{1}{2} + \frac{1}{6} =$ _____

b $\frac{1}{4} + \frac{1}{20} =$ _____

c $\frac{1}{5} + \frac{3}{4} =$ _____

d $\frac{1}{2} - \frac{1}{4} =$ _____

e $\frac{1}{3} - \frac{1}{6} =$ _____

f $\frac{2}{3} - \frac{1}{6} =$ _____

g $\frac{1}{2} + \frac{1}{3} =$ _____

h $\frac{1}{3} + \frac{1}{4} =$ _____

i $\frac{1}{5} + \frac{1}{7} =$ _____

j $\frac{1}{3} - \frac{1}{4} =$ _____

k $\frac{1}{5} - \frac{1}{12} =$ _____

l $\frac{1}{4} - \frac{1}{8} =$ _____

QUESTION 2 Find the value of:

a $\frac{7}{10} + \frac{2}{5} =$ _____

b $\frac{3}{5} + \frac{7}{15} =$ _____

c $\frac{1}{2} + \frac{3}{5} =$ _____

d $\frac{3}{4} - \frac{1}{3} =$ _____

e $\frac{3}{4} - \frac{1}{2} =$ _____

f $\frac{8}{15} + \frac{3}{5} =$ _____

g $\frac{2}{3} + \frac{3}{4} =$ _____

h $\frac{3}{4} + \frac{4}{5} =$ _____

i $\frac{4}{5} + \frac{5}{6} =$ _____

j $\frac{3}{4} + \frac{1}{2} =$ _____

k $\frac{3}{4} + \frac{1}{3} =$ _____

l $\frac{3}{4} + \frac{1}{5} =$ _____

QUESTION 3 Evaluate:

a $\frac{3}{5} - \frac{3}{10} =$ _____

b $\frac{3}{4} - \frac{7}{20} =$ _____

c $\frac{1}{3} - \frac{1}{5} =$ _____

d $\frac{93}{100} - \frac{3}{4} =$ _____

e $\frac{81}{100} - \frac{3}{4} =$ _____

f $\frac{11}{20} - \frac{7}{20} =$ _____

g $\frac{7}{18} - \frac{1}{3} =$ _____

h $\frac{5}{6} + \frac{1}{12} =$ _____

i $\frac{7}{36} - \frac{1}{12} =$ _____

Fractions

Topic 6: Multiplication of fractions

QUESTION 1 Multiply the following fractions.

a $\frac{1}{2} \times \frac{1}{2} =$ _____

b $\frac{1}{3} \times \frac{1}{4} =$ _____

c $\frac{1}{4} \times \frac{1}{7} =$ _____

d $\frac{1}{10} \times \frac{1}{10} =$ _____

e $\frac{3}{10} \times \frac{11}{10} =$ _____

f $\frac{7}{10} \times \frac{3}{10} =$ _____

g $\frac{9}{10} \times \frac{3}{10} =$ _____

h $\frac{3}{100} \times \frac{1}{10} =$ _____

i $\frac{9}{10} \times \frac{3}{200} =$ _____

j $\frac{1}{4} \times \frac{1}{5} =$ _____

k $\frac{1}{4} \times \frac{1}{9} =$ _____

l $\frac{1}{4} \times \frac{5}{6} =$ _____

QUESTION 2 Work out the answers to the following as basic fractions.

a $\frac{9}{10} \times \frac{5}{9} =$ _____

b $\frac{1}{2} \times \frac{4}{5} =$ _____

c $\frac{2}{3} \times \frac{9}{13} =$ _____

d $\frac{1}{3}$ of $\frac{6}{7} =$ _____

e $\frac{1}{4}$ of $\frac{4}{15} =$ _____

f $\frac{2}{3}$ of $\frac{6}{7} =$ _____

g $\frac{4}{5} \times \frac{7}{8} =$ _____

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

i $\frac{6}{15} \times \frac{7}{12} =$ _____

QUESTION 3 Simplify the following.

a $\frac{5}{8} \times 8 =$ _____

b $\frac{3}{4} \times 4 =$ _____

c $\frac{5}{6} \times 6 =$ _____

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

e $\frac{12}{13} \times 13 =$ _____

f $\frac{5}{7} \times 7 =$ _____

g $\frac{7}{10} \times 10 =$ _____

h $\frac{5}{4} \times 24 =$ _____

i $\frac{8}{9} \times 63 =$ _____

j $\frac{12}{20} \times 40 =$ _____

k $\frac{6}{15} \times 90 =$ _____

l $\frac{24}{36} \times 12 =$ _____

Fractions

Topic 7: Division of fractions

QUESTION 1 Divide the following fractions.

a $\frac{2}{3} \div \frac{1}{3} =$ _____

b $\frac{3}{5} \div \frac{2}{5} =$ _____

c $\frac{7}{20} \div \frac{8}{20} =$ _____

d $\frac{11}{10} \div \frac{3}{10} =$ _____

e $\frac{7}{10} \div \frac{1}{2} =$ _____

f $\frac{3}{100} \div \frac{1}{20} =$ _____

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

h $\frac{3}{2} \div \frac{3}{4} =$ _____

i $\frac{2}{9} \div \frac{9}{10} =$ _____

j $\frac{5}{6} \div \frac{5}{12} =$ _____

k $\frac{4}{5} \div \frac{4}{10} =$ _____

l $\frac{5}{7} \div \frac{15}{28} =$ _____

QUESTION 2 Work out the answers to the following as basic fractions.

a $\frac{3}{4} \div \frac{1}{10} =$ _____

b $\frac{2}{5} \div \frac{3}{20} =$ _____

c $\frac{5}{6} \div \frac{7}{24} =$ _____

d $\frac{1}{2} \div \frac{1}{6} =$ _____

e $\frac{7}{10} \div \frac{3}{28} =$ _____

f $\frac{5}{10} \div \frac{3}{100} =$ _____

g $\frac{5}{6} \div \frac{7}{18} =$ _____

h $\frac{3}{4} \div \frac{5}{32} =$ _____

i $\frac{2}{5} \div \frac{3}{25} =$ _____

QUESTION 3 Evaluate the following.

a $8 \div \frac{4}{5} =$ _____

b $16 \div \frac{2}{3} =$ _____

c $\frac{8}{9} \div 4 =$ _____

d $\frac{3}{5} \div 3 =$ _____

e $\frac{7}{15} \div 14 =$ _____

f $63 \div \frac{7}{9} =$ _____

g $14 \div \frac{7}{2} =$ _____

h $81 \div \frac{9}{16} =$ _____

i $72 \div \frac{9}{4} =$ _____

Fractions

Topic 8: Finding a fraction of a number

QUESTION 1 Work out the answers to the following.

a $\frac{1}{3}$ of \$27 = _____ b $\frac{3}{4}$ of \$400 = _____ c $\frac{1}{5}$ of 10 hours = _____

d $\frac{2}{3}$ of 1 hour = _____ e $\frac{3}{5}$ of 1 tonne = _____ f $\frac{3}{5}$ of 200 grams = _____

g $\frac{7}{10}$ of 2 hours = _____ h $\frac{2}{5}$ of 1 year = _____ i $\frac{2}{5}$ of 1 metre = _____

j $\frac{3}{5}$ of \$75 = _____ k $\frac{3}{8}$ of \$64 = _____ l $\frac{1}{5}$ of 1 kg = _____

QUESTION 2 Find the following.

a $\frac{1}{2}$ of 62 = _____ b $\frac{1}{5}$ of 120 = _____ c $\frac{4}{5}$ of \$175 = _____

d $\frac{19}{100}$ of 700 = _____ e $\frac{5}{12}$ of 120 = _____ f $\frac{1}{16}$ of 480 = _____

g $\frac{5}{16}$ of 80 = _____ h $\frac{1}{8}$ of 1 day = _____ i $\frac{1}{4}$ of 60 minutes = _____

QUESTION 3 Work out the following.

a $\frac{3}{4}$ of \$88 = _____ b $\frac{3}{5}$ of 240 = _____ c $\frac{2}{7}$ of 770 = _____

d $\frac{2}{5}$ of 55 = _____ e $\frac{3}{5}$ of 600 = _____ f $\frac{1}{3}$ of 270 = _____

g $\frac{7}{100}$ of 1 century = _____ h $\frac{1}{4}$ of 52 weeks = _____ i $\frac{2}{5}$ of 2 km = _____

Fractions

Topic 9: Fractions with mixed numbers

QUESTION 1 Simplify the following.

a $3\frac{1}{2} + 5 =$ _____ b $6 + 2\frac{1}{4} =$ _____ c $2 + 3\frac{1}{5} =$ _____

d $2\frac{3}{4} + \frac{1}{2} =$ _____ e $5\frac{1}{2} + 2\frac{1}{2} =$ _____ f $3\frac{1}{4} + \frac{3}{4} =$ _____

g $2\frac{3}{5} + \frac{1}{2} =$ _____ h $7 - 3\frac{4}{5} =$ _____ i $14\frac{1}{2} - 7 =$ _____

j $7\frac{2}{5} - 4 =$ _____ k $6\frac{7}{8} - 5\frac{1}{8} =$ _____ l $9\frac{3}{10} - 4\frac{3}{10} =$ _____

QUESTION 2 Work out the following.

a $5\frac{1}{2} - \frac{3}{4} =$ _____ b $5\frac{3}{8} - 2\frac{3}{4} =$ _____ c $12\frac{3}{10} - 5\frac{2}{3} =$ _____

d $4\frac{7}{8} \times 4 =$ _____ e $1\frac{1}{2} \times \frac{1}{4} =$ _____ f $3\frac{7}{8} \times 1\frac{1}{2} =$ _____

g $3\frac{1}{7} \times 6\frac{1}{5} =$ _____ h $2\frac{1}{2} \times 3\frac{1}{2} =$ _____ i $1\frac{1}{2} \times 5\frac{2}{3} =$ _____

QUESTION 3 Find the following.

a $6\frac{3}{5} \div \frac{2}{5} =$ _____ b $4\frac{2}{5} \div \frac{7}{8} =$ _____ c $3\frac{3}{8} \div 2\frac{3}{4} =$ _____

d $20\frac{1}{2} \div 3\frac{1}{2} =$ _____ e $5\frac{1}{2} \div 2\frac{1}{2} =$ _____ f $3\frac{3}{4} \div 1\frac{1}{4} =$ _____

g $2\frac{3}{5} \div 1\frac{1}{5} =$ _____ h $5\frac{5}{8} \div 1\frac{1}{4} =$ _____ i $3\frac{1}{2} \div 3\frac{1}{2} =$ _____

Fractions

Topic 10: Problem solving with fractions

- 1 Find the sum of $\frac{2}{5}$, $\frac{3}{4}$ and $\frac{1}{10}$ _____
- 2 Divide the sum of $\frac{7}{8}$ and $\frac{3}{10}$ by $\frac{1}{2}$ _____
- 3 Subtract the difference between $\frac{1}{2}$ and $\frac{1}{3}$ from the sum of $\frac{1}{2}$ and $\frac{1}{3}$ _____
- 4 In a school of 800 students, $\frac{1}{5}$ of the students have brown eyes. How many do not have brown eyes? _____
- 5 If $\frac{2}{3}$ of a cake is shared equally among four people, what fraction of the cake would each receive? _____
- 6 Find the difference between $20\frac{3}{4}$ and $9\frac{1}{2}$ and multiply this by $2\frac{1}{3}$ _____
- 7 A rectangle has length $3\frac{1}{4}$ cm and width $1\frac{3}{4}$ cm. Find the perimeter of the rectangle. _____
- 8 A car tank when $\frac{3}{4}$ full contains 45 litres. What is the capacity of the tank? _____
- 9 Alka bought $3\frac{2}{5}$ kg of apples on one day and $4\frac{3}{4}$ kg the next day. How many kilograms of apples did she buy in all? _____
- 10 An aeroplane flew 1200 km in $2\frac{3}{4}$ hours. What was its average speed? _____
- 11 How many pieces of wood each $1\frac{1}{3}$ metres long can be cut from a board 8 metres long? _____
- 12 A square has side length $5\frac{3}{4}$ cm. Find its area. _____
- 13 Hari works for $3\frac{1}{2}$ hours on Saturday and $5\frac{2}{5}$ hours on Sunday. Find the total number of hours he works. _____

Fractions

Unit Test

PART A

Instructions This part consists of 12 multiple-choice questions
 Each question is worth 1 mark
 Fill in only ONE CIRCLE for each question
 Calculators are NOT allowed

Time allowed: 15 minutes

Total marks = 12

Marks

- | | | | | | |
|-----------|---|---|--|--|--|
| 1 | $7 + \frac{7}{10}$ equals | <input type="radio"/> (A) $7\frac{3}{10}$ | <input type="radio"/> (B) $7\frac{7}{10}$ | <input type="radio"/> (C) $7\frac{1}{10}$ | <input type="radio"/> (D) $\frac{107}{10}$ |
| 2 | $1 - \frac{80}{1000}$ equals | <input type="radio"/> (A) $\frac{1080}{1000}$ | <input type="radio"/> (B) $\frac{900}{1000}$ | <input type="radio"/> (C) $\frac{23}{25}$ | <input type="radio"/> (D) $\frac{24}{25}$ |
| 3 | $\frac{1}{5}$ of $35 + 16$ equals | <input type="radio"/> (A) 21 | <input type="radio"/> (B) 27 | <input type="radio"/> (C) 23 | <input type="radio"/> (D) 28 |
| 4 | $\frac{1}{2} + \frac{1}{3}$ equals | <input type="radio"/> (A) $\frac{1}{5}$ | <input type="radio"/> (B) $\frac{5}{6}$ | <input type="radio"/> (C) $\frac{1}{6}$ | <input type="radio"/> (D) $\frac{2}{3}$ |
| 5 | The value of $\frac{1}{2} + \frac{3}{4} + \frac{5}{6}$ is | <input type="radio"/> (A) $2\frac{1}{12}$ | <input type="radio"/> (B) $3\frac{5}{12}$ | <input type="radio"/> (C) $2\frac{7}{12}$ | <input type="radio"/> (D) $\frac{15}{24}$ |
| 6 | $\frac{3}{4} + \frac{4}{3}$ equals | <input type="radio"/> (A) $\frac{25}{12}$ | <input type="radio"/> (B) 1 | <input type="radio"/> (C) $\frac{12}{7}$ | <input type="radio"/> (D) $\frac{7}{12}$ |
| 7 | Two-thirds of a number is equal to 8; the number is | <input type="radio"/> (A) 16 | <input type="radio"/> (B) 24 | <input type="radio"/> (C) 12 | <input type="radio"/> (D) 40 |
| 8 | $\frac{4 \times 8 \times 15 \times 10}{2 \times 6 \times 5}$ equals | <input type="radio"/> (A) 80 | <input type="radio"/> (B) 70 | <input type="radio"/> (C) 60 | <input type="radio"/> (D) 100 |
| 9 | $1 - \frac{4}{5}$ equals | <input type="radio"/> (A) 15 | <input type="radio"/> (B) 25 | <input type="radio"/> (C) 5 | <input type="radio"/> (D) 20 |
| 10 | Which of the following numbers is the largest? | <input type="radio"/> (A) $\frac{2}{3}$ | <input type="radio"/> (B) $\frac{3}{5}$ | <input type="radio"/> (C) $\frac{2}{7}$ | <input type="radio"/> (D) $\frac{7}{10}$ |
| 11 | $\frac{3}{7} \times \frac{21}{15}$ equals | <input type="radio"/> (A) $\frac{7}{105}$ | <input type="radio"/> (B) $\frac{12}{35}$ | <input type="radio"/> (C) $\frac{24}{105}$ | <input type="radio"/> (D) $\frac{3}{5}$ |
| 12 | $4\frac{2}{5} + 1\frac{1}{4}$ equals | <input type="radio"/> (A) $3\frac{7}{20}$ | <input type="radio"/> (B) $5\frac{13}{20}$ | <input type="radio"/> (C) $6\frac{9}{20}$ | <input type="radio"/> (D) $7\frac{11}{20}$ |

1

Total marks achieved for PART A

12

Fractions

Unit Test

PART B

Instructions This part consists of 15 questions
Each question is worth 1 mark
Write answers in the answers-only column

Time allowed: 20 minutes

Total marks = 15

Questions	Answers only	Marks
1 $\frac{7}{8} = \frac{\quad}{56}$	_____	<input type="text" value="1"/>
2 Simplify $\frac{9}{12}$	_____	<input type="text" value="1"/>
3 Simplify $7\frac{8}{12}$, leaving as a mixed number.	_____	<input type="text" value="1"/>
4 Write $4\frac{7}{9}$ as an improper fraction.	_____	<input type="text" value="1"/>
5 Write $\frac{37}{4}$ as a mixed number.	_____	<input type="text" value="1"/>
6 Add $\frac{3}{10} + \frac{4}{10}$	_____	<input type="text" value="1"/>
7 Subtract $\frac{39}{70} - \frac{9}{70}$	_____	<input type="text" value="1"/>
8 Work out $\frac{2}{3} + \frac{5}{7}$	_____	<input type="text" value="1"/>
9 Find $\frac{8}{9} - \frac{1}{2}$	_____	<input type="text" value="1"/>
Evaluate the following:		
10 $\frac{3}{7} \times \frac{5}{7} =$	_____	<input type="text" value="1"/>
11 $\frac{8}{21} \times \frac{7}{16} =$	_____	<input type="text" value="1"/>
12 $\frac{5}{27} \div \frac{4}{9} =$	_____	<input type="text" value="1"/>
13 $15 \div \frac{2}{5} =$	_____	<input type="text" value="1"/>
14 $\left(\frac{8}{25} \div \frac{3}{5}\right) \div \frac{4}{5} =$	_____	<input type="text" value="1"/>
15 $5\frac{5}{7} \times \frac{3}{20} =$	_____	<input type="text" value="1"/>

Total marks achieved for PART B