

# Fractions, decimals and percentages Test 2(MT)

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

1. Simplify these fractions.

i)  $\frac{15}{45}$

ii)  $\frac{8}{40}$

1 mark

2. Put these fractions in order, starting with the smallest.

$\frac{3}{4}$     $\frac{5}{6}$     $\frac{1}{2}$     $\frac{2}{3}$

\_\_\_\_\_ smallest

\_\_\_\_\_ largest

1 mark

3. Calculate  $\frac{7}{12} + \frac{3}{8}$

1 mark

4. Calculate  $\frac{5}{6} \times \frac{3}{4}$

1 mark

5. Calculate  $\frac{9}{20} \div 3$

1 mark

Total for  
this page

6. Change each fraction into a decimal.

Fraction	$\frac{3}{5}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{10}$
Decimal				

1 mark

7. Write the missing number from this number sentence.

$$4.735 \times 10 = \boxed{\phantom{000}} \div 100$$

1 mark

8. A motor racing circuit is 5.89 km long.

A race is 24 laps of the circuit.

What is the total distance of the race?

km

1 mark

9. A school wins a prize of £750.

The head teacher decides that the prize should be shared equally between the eight classes in the school to buy new books.

How much does each class get?

£

1 mark

Total for this page

10. A farmer runs a chicken farm. In one month 5472 eggs are collected. 2615 eggs are small or medium; the rest are large. The large eggs are packed in boxes of six. How many boxes are filled?

boxes

2 marks

11. Complete the table by finding equivalent fractions, decimals and percentages.

Fraction	Decimal	Percentage
$\frac{9}{10}$		
	0.2	
		87%
		3%

2 marks

12. A prize fund in a competition is split so that the winner gets  $\frac{3}{5}$  of the fund, the person second gets  $\frac{3}{10}$  and the person who is third gets the rest. What fraction of the prize fund does the third person get?

2 marks

/15  
**Total for this test**