

Name:

Date:

Fractions, Decimals and Percentages

GCSE

Edexcel
Mathematics
Grade (9-1)

Mark

Score (%)

<hr/> 63

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Materials

For this paper you must have:

- Ruler
- Pencil, Rubber, Protractor and Compass
- Scientific calculator, which you are expected to use when appropriate

Instructions

- Answer all questions
- Answer questions in the space provided
- All working must be shown
- Do all rough work in this book. Cross out any rough work you don't want to be marked

Information

- The marks for the questions are shown in brackets

1 Convert $\frac{2}{5}$ into a percentage.

.....
(Total for question 1 is 2 marks)

2 Convert $\frac{4}{25}$ into decimal.

.....
(Total for question 2 is 2 marks)

3 Write 84% as a fraction in its simplest form.

.....
(Total for question 3 is 2 marks)

4 (a) Write $\frac{3}{4}$ as a decimal.

.....
(2)

(b) Write 154% as a fraction in its simplest form

.....
(2)

(c) Convert 0.176 into percentage

.....
(2)

(Total for question 4 is 6 marks)

- 5 Jen earns \$275 per week.
She is given a raise of \$20.
What is the percentage increase in her weekly salary?

.....
(Total for question 5 is 3 marks)

- 6 Complete the table below.

Fraction	Decimal	Percentage
		42.5
	0.876	
$\frac{7}{9}$		

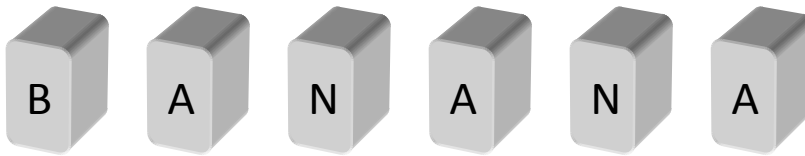
.....
(Total for question 6 is 6 marks)

7 Convert $\frac{21}{25}$ into decimal

Leave
blank

.....
(Total for question 7 is 2 marks)

8 Jane uses some tiles with alphabets written on them to spell out the word BANANA



She removes all 'N' tiles.

What percentage of original tiles are left?

.....
(Total for question 8 is 3 marks)

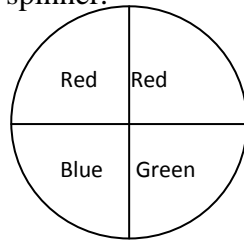
9 Sara has a bag full of 20 fruit-flavored sweets.
3 sweets are strawberry flavored
What percentage of sweets are strawberry flavored?

.....
(Total for question 9 is 2 marks)

10 Jack says that $\frac{5}{9}$ is smaller than 64%.
Is he correct?

.....
(Total for question 10 is 3 marks)

11 The diagram shows a fair spinner.



Complete the table below.

Color	Red	Blue	Green
Fraction			
Percentage			
Decimal			

.....
 (Total for question 11 is 5 marks)

12 A bag contains 50 multicolored beads.
 12 of the pencils are pink.

Write, in the simplest form, the fraction of pencils that are pink.

.....
 (Total for question 12 is 2 marks)

13 There are 450 fruits in a box.
24% of the fruits are spoiled.
What fraction of the fruits is spoiled?

.....
(Total for question 13 is 3 marks)

14 A bag has 13 blue counters, 24 black counters and 31 white counters.
(a) What percentage of the counters is blue?

.....
(2)

(b) What fraction of counters is blue?

.....
(2)
(Total for question 14 is 4 marks)

15 The table shows the ages of 20 kids at a birthday party.

Age	Frequency
7	3
8	5
9	7
10	5

What percentage of the kids is 8 or older?

.....
(Total for question 15 is 3 marks)

16 Convert $\frac{23}{50}$ into decimal.

.....
(Total for question 16 is 2 marks)

17 Convert the following.

(a) $\frac{1}{5}$ into decimal

.....
(1)

(b) 25% into decimal

.....
(1)

(c) 0.99 into fraction

.....
(1)

(d) 7.5 into percentage

.....
(1)

(Total for question 17 is 4 marks)

18 Ryan goes to the gym 5 days every week.

What percentage of the week does Ryan go to the gym?

.....
(Total for question 18 is 2 marks)

19 Solve the following:

(a) Convert $\frac{3}{7}$ into percentage

.....
(2)

(b) Is $\frac{3}{7}$ greater than 0.45?

.....
(3)

(Total for question 19 is 4 marks)

20 A bag contains 40 counters of blue, yellow and red colors.

19 of the counters are blue.

(a) What percentage of the counter is blue?

.....
(2)

5 blue counters are added to the bag.

(b) What percentage of counters is blue now?

.....
(2)

(Total for question 20 is 3 marks)