



## Fractions, Decimals and Percentages Exam Practice

Q1. Convert the following to percentages:

a)  $\frac{2}{5}$

b)  $\frac{126}{200}$

Answer: \_\_\_\_\_  
(2 marks)

Q2. Convert the following to decimals:

a)  $\frac{3}{4}$

b)  $2\frac{3}{10}$

Answer: \_\_\_\_\_  
(2 marks)



Q3. Convert the following to fractions, simplifying your answers:

a) 0.04

b) 32%

Answer: \_\_\_\_\_  
(2 marks)

Q4. Put the following in order, starting with the smallest. Credit will be given for any appropriate working out.

$\frac{3}{4}$     1%     $\frac{2}{3}$     0.07     $\frac{5}{8}$

Answer: \_\_\_\_\_  
(2 marks)



Q5. Write  $\frac{24}{60}$  as:

- (i) a percentage      (ii) a decimal

Answer: \_\_\_\_\_  
(2 marks)

Q6. Write 0.0081 as:

- (i) a percentage      (ii) a fraction

Answer: \_\_\_\_\_  
(2 marks)



Q7. Circle the two numbers between which  $\frac{3}{8}$  lies:

0.1    0.2    0.3    0.4    0.5    0.6    0.7    0.8    0.9

Answer: \_\_\_\_\_  
(1 mark)

Q8. Put the following in order, starting with the largest. Credit will be given for any appropriate working out.

$\frac{9}{12}$     85%    2.4     $\frac{18}{20}$     0.65

Answer: \_\_\_\_\_  
(2 marks)



### Applied Mixed Practice Problems

Q9. Last year, Mark spent 35% of his savings, Tom spent  $\frac{2}{5}$  of his savings, whilst David spent  $\frac{1}{6}$  of his savings. Who had the least money left?  
You must explain your choice.

Answer: \_\_\_\_\_  
(2 marks)



Q10. In a game, the aim is to choose 2 numbers from the list below so that the difference of the numbers is as large as possible. Which two numbers should a player choose?

28%

$\frac{1}{8}$

10%

$\frac{10}{15}$

0.55

$\frac{3}{5}$

Answer: \_\_\_\_\_

(2 marks)



Q11. Find the mistake in Emma's working out, and correct it:

$$\begin{aligned}\frac{5400}{7500} &= \frac{54}{75} \\ &= \frac{16}{25} \\ &= \frac{64}{100} \\ &= 64\%\end{aligned}$$

Answer: \_\_\_\_\_  
(2 marks)

Q12. What number is half-way between 0.008 and 2%? You may give your answer as a percentage, decimal or fraction.

Answer: \_\_\_\_\_  
(2 marks)



Q13. At an election, the table below show the proportion of people who voted for Party A, Party B and Party C. Work out the % of people who did not vote.

Party	Proportion
A	42%
B	$\frac{7}{20}$
C	0.15

Answer: \_\_\_\_\_

(3 marks)