

Name:

Exam Style Questions

Decimals to Percentages
Percentages to Decimals



Corbettmaths

Equipment needed: Pen, Calculator

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Videos 121, 125



Answers and Video Solutions



1. Write 0.4 as a percentage.



40.....%
(1)

2. Write 0.72 as a percentage.



72.....%
(1)

3. Write 28% as a decimal.



0.28.....
(1)

4. Write 0.02 as a percentage.



2.....%
(1)

5. Write 5% as a decimal.



0.05.....
(1)

6. Write 90% as a decimal.



0.9
.....
(1)

7. Write 49% as a decimal.



0.49
.....
(1)

8. Write 0.8 as a percentage.



80
.....%
(1)

9. Complete this table.



Decimal	Percentage
0.15	15%
0.5	50%
0.7	70%
0.03	3%

(3)

10. Over a season, a football team won 55% of their matches and drew 32%.



Win 55%
Draw 32%
Loss

(a) Work out what percentage of games were lost.

$$55 + 32 = 87$$
$$100 - 87 = 13$$

$$\begin{array}{r} 13\% \\ \hline \end{array}$$

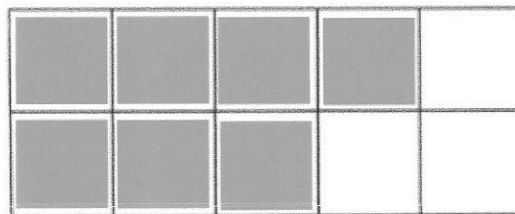
(1)

(b) Write 32% as a decimal.

$$\begin{array}{r} 0.32 \\ \hline \end{array}$$

(1)

11.



(a) Write down the percentage of the grid that is shaded.

$$\begin{array}{r} 70 \\ \hline \end{array} \%$$

(1)

(b) Write your answer to (a) as a decimal.

$$\begin{array}{r} 0.7 \\ \hline \end{array}$$

(1)

12. Match each decimal and percentage.



Decimal Percentage

0.05	50%
0.25	20%
0.2	25%
0.5	5%

(2)

13. Arrange the following numbers in order, from smallest to largest



0.61	59%	0.6	62%
61%		60%	

..... 59%, 0.6, 0.61, 62%

(2)

14. Arrange the following numbers in order, from smallest to largest



0.6	11%	0.1	8%
60%		10%	

..... 8%, 0.1, 11%, 0.6

(2)

15. James says 7% is larger than 0.1



Explain why James is incorrect.

$0.1 = 10\%$ and since $7\% < 10\%$, James
is incorrect.

(2)

16. Write 165% as a decimal.



1.65

(1)

17. Write 1.02 as a percentage.



102%

(1)

18. Write 8.5% as a decimal.



0.085

(1)

19. Write 0.215 as a percentage.



21.5%

(1)