

Name: _____

Exam Style Questions

Decimals to Percentages
Percentages to Decimals



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 121

Video 125



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. Write 8.5% as a decimal.

0.085
.....
(1)

10. Write 0.215 as a percentage.

21.5
.....%
(1)

11. Match each decimal and percentage.

Decimal Percentage

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

(Note: Red lines indicate incorrect matches: 0.05 to 20%, 0.25 to 50%, 0.2 to 5%, and 0.5 to 25%. A black line indicates a correct match: 0.25 to 25%.)

(2)

12. 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)

13. 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)

14.



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

70%

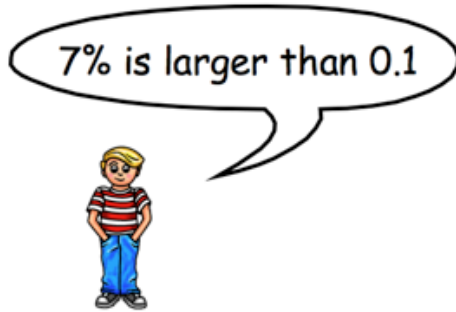
(1)

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

0.7

(1)

15.



Explain why James is incorrect.

0.1 is 10%
so he is incorrect.

(2)

16. 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.

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

$$\underline{13\%}$$

(1)

(b) Write 32% as a decimal.

$$\underline{0.32}$$

(1)

17. Complete this table.

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

(3)