

Name: \_\_\_\_\_

## Exam Style Questions

[Decimals to Fractions](#)  
[Fractions 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

## Secondary

[Video 123](#)

[Video 124](#)

[Video 127](#)

[Video 128](#)



1. Write 0.7 as a fraction.



$$\frac{7}{10}$$

(1)

2. Write 0.6 as a fraction.  
Give your answer in its simplest form.



$$\frac{6}{10} = \frac{3}{5}$$

$$\frac{3}{5}$$

(2)

3. Write  $\frac{4}{5}$  as a decimal.



$$0.8$$

(1)

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



$$0.75$$

(1)

5. Write 0.52 as a fraction.  
Give your answer in its simplest form.



$$\frac{52}{100} = \frac{26}{50} = \frac{13}{25}$$

$$\frac{13}{25}$$

(2)

6. Write 0.08 as a fraction.  
Give your answer in its simplest form.



$$\frac{8}{100} = \frac{4}{50} = \frac{2}{25}$$

.....  
 $\frac{2}{25}$

(2)

7. Write 0.012 as a fraction.  
Give your answer in its simplest form.



$$\frac{12}{1000} = \frac{6}{500} = \frac{3}{250}$$

.....  
 $\frac{3}{250}$

(2)

8. Write  $\frac{9}{10}$  as a decimal.



.....  
0.9

(1)

9. Write  $\frac{3}{20}$  as a decimal.



$$20 \overline{) 3.00} \begin{array}{r} 0.15 \\ 20 \times 0.15 \\ \hline 3.00 \end{array}$$

.....  
0.15

(1)

10. Write 0.82 as a fraction.  
Give your answer in its simplest form.



$$\frac{82}{100} = \frac{41}{50}$$

.....  
 $\frac{41}{50}$

(2)

11. Write 0.902 as a fraction.  
Give your answer in its simplest form.



$$\frac{902}{1000} = \frac{451}{500}$$

$$\frac{451}{500}$$

.....  
(2)

12. Write  $\frac{9}{40}$  as a decimal.



$$40 \overline{) 9.000} \begin{array}{r} 0.225 \\ \underline{8} \phantom{00} \\ 10 \phantom{0} \\ \underline{8} \phantom{00} \\ 20 \\ \underline{20} \\ 0 \end{array}$$

$$0.225$$

.....  
(2)

13. Write  $\frac{5}{8}$  as a decimal.



$$8 \overline{) 5.000} \begin{array}{r} 0.625 \\ \underline{4} \phantom{00} \\ 10 \phantom{0} \\ \underline{8} \phantom{00} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$0.625$$

.....  
(2)

14. Write 0.725 as a fraction in its simplest form.



$$\frac{725}{1000} = \frac{145}{200} = \frac{29}{40}$$

$$\frac{29}{40}$$

.....  
(2)

15. Write  $\frac{13}{42}$  as a decimal.



$$13 \div 42 = 0.3095238095$$

.....  
(1)

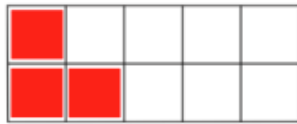
16. Write 0.4932 as a fraction in its simplest form.



$$\frac{4932}{10000} = \frac{1233}{2500}$$

.....  
(1)

17.



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

$$\frac{3}{10}$$

.....  
(1)

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

$$0.3$$

.....  
(1)

18. Match each decimal and fraction.



Decimal	Fraction
0.325	$\frac{2}{5}$
0.4	$\frac{7}{20}$
0.3333...	$\frac{13}{40}$
0.35	$\frac{1}{3}$

(2)

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



0.7     $\frac{2}{3}$     0.65     $\frac{3}{5}$      $\frac{5}{8}$   
 $0.\dot{6}$      $0.\dot{6}$      $0.625$   
 $0.6666..$

$\frac{3}{5}, \frac{5}{8}, 0.65, \frac{2}{3}, 0.7$

(3)