Name:

Exam Style Questions

Decimals to Fractions
Fractions to Decimals

Corbettmαths

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.

....
(1)

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

....
(2)

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

....
(1)

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

....
(1)

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

....
(2)

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

   ....
   (2)

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

   ....
   (2)

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

   ....
   (1)

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

   ....
   (1)

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

    ....
    (2)

11. Write 0.902 as a fraction.

Give your answer in its simplest form.

....

(2)

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

....

(2)

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

....

(2)

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

....

(2)

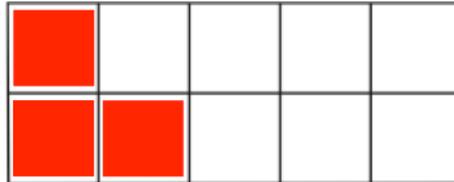15. Write $\dfrac{13}{42}$ as a decimal.

....

(1)

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

(1)

17.

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

....
(1)

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

....
(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	$\frac{1}{3}$

(A line connects 0.4 to $\frac{2}{5}$)

(2)

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

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

....

(3)