Name:

Exam Style Questions

Decimals to Fractions
Fractions 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 123, 124, 127, 128

Answers and Video Solutions

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1. Write 0.25 as a fraction.

.....

(1)

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2. Write 0.7 as a fraction.

.....

(1)

---

3. What is $\frac{1}{5}$ as a decimal?

Circle your answer.

0.2 0.5 0.02 0.05

(1)

---

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

.....

(2)

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

.....

(1)

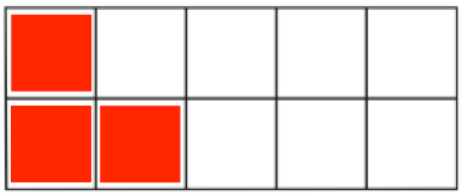
---

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

.....

(1)

7.



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

.....

(1)

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

.....

(1)

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8. Write 0.14 as a fraction.
Give your answer in its simplest form.

.....

(2)

---

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

.....

(2)

---

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

.....

(2)

---

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

.....

(1)

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

.....

(2)

---

13. Write $\frac{3}{100}$ as a decimal.

.....

(1)

---

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

.....

(1)

---

15. Write 0.47 as a fraction.

.....

(1)

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16. Circle the decimal that is greater than $\frac{1}{4}$ and less than $\frac{1}{3}$

0.21 0.24 0.31 0.34

(1)

---

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

.....

(2)

---

18. Circle the value of 0.35 as a fraction.

$\frac{3}{5}$ $\frac{2}{7}$ $\frac{1}{3}$ $\frac{7}{20}$

(1)

---

19. What is $\frac{9}{2}$ as a decimal?

Circle your answer.

9.2 2.9 4.1 4.5

(1)

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20. Circle the correct statement.

$0.7 > \frac{3}{4}$ $0.7 = \frac{3}{4}$ $0.7 < \frac{3}{4}$

(1)

---

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

.....

(2)

---

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

.....

(2)

---

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

.....

(2)

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

.....

(2)

---

25. Use one of the symbols $<$, $=$ or $>$ to make the statement true.

$$0.4 \quad \ldots\ldots \quad \frac{1}{3}$$

(1)

---

26. Noel says that 0.66 is equal to $\frac{2}{3}$

Is Noel correct?
Explain your answer.

.....

.....

(1)

---

27. Write $\frac{7}{16}$ as a decimal.

.....

(1)

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

Give your answer to 2 decimal places.

.....

(2)

---

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

.....

(1)

---

30. Write 1.925 as a fraction.
Give your answer in its simplest form.

.....

(1)

---

31. Circle the fraction that is equivalent to 5.25

$\frac{21}{4}$ $\frac{23}{4}$ $\frac{25}{4}$ $\frac{27}{4}$

(1)

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32. Circle the fraction that is equivalent to 2.375

$\frac{17}{8}$ $\frac{9}{4}$ $\frac{19}{8}$ $\frac{21}{8}$

(1)

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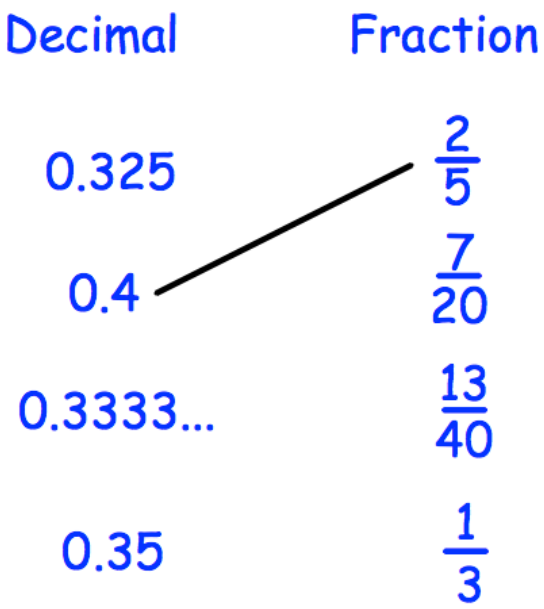
33. Match each decimal and fraction.



(2)

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

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

.....

(3)

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