

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

## Exam Style Questions

**Fractions to Percentages**

**Percentages to Fractions**



**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](http://www.corbettmaths.com/contents)

**Videos 122, 126**



**Answers and Video Solutions**



1. What is  $\frac{3}{4}$  as a percentage?



.....%  
(1)

---

2. What is 25% as a fraction?



.....  
(1)

---

3. Write 19% as a fraction.



.....  
(1)

---

4. Write 30% as a fraction.



Give your answer in its simplest form.

.....  
(2)

---

5. Write  $\frac{73}{100}$  as a percentage.



.....%  
(1)

6. Write  $\frac{13}{50}$  as a percentage.



.....%  
(1)

7. Write  $\frac{9}{10}$  as a percentage.



.....%  
(1)

8. Write  $\frac{4}{5}$  as a percentage.



.....%  
(1)

9. Complete this table.



Fraction	Percentage
$\frac{1}{2}$	
	20%
	75%
$\frac{2}{5}$	

(3)

10. Write  $\frac{17}{20}$  as a percentage.



.....%  
(1)

---

11. Write 15% as a fraction.  
Give your answer in its simplest form.



.....  
(2)

---

12. Write 68% as a fraction.  
Give your answer in its simplest form.



.....  
(2)

---

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



.....  
(2)

14. Write  $\frac{7}{10}$  as a percentage.



.....%  
(1)

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15. Write  $\frac{12}{25}$  as a percentage.



.....%  
(1)

---

16. Write 72% as a fraction.



Give your answer in its simplest form.

.....  
(2)

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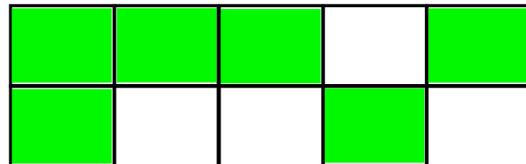
17. Use one of the symbols  $<$ ,  $=$  or  $>$  to make the statement true.



$$\frac{13}{20} \text{ ..... } 64\%$$

(1)

18.



(a) Write down the fraction of the grid that is shaded.  
Give your answer in its simplest form.

..... (1)

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

.....%  
(1)

19. Match each percentage and fraction.



**Fraction**      **Percentage**

$\frac{4}{5}$       75%

$\frac{3}{4}$       66 $\frac{2}{3}$ %

$\frac{2}{3}$       80%

$\frac{17}{20}$       85%

(2)

20. Write 37.5% as a fraction.

 Give your answer in its simplest form.

.....  
(1)

21. Write  $\frac{9}{40}$  as a percentage.



.....%  
(2)

22. Write  $\frac{7}{8}$  as a percentage.



.....%  
(2)

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



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

29%

34.5%

$$\frac{1}{3}$$

$$\frac{6}{25}$$

.....  
(3)

24. Mark says 78% is the same as  $\frac{7}{8}$



Explain why Mark is incorrect.

.....  
.....

(1)

25. Over a season, a football team won 53% of their matches and drew 32%.



Win 53%  
Draw 32%  
Loss

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

.....%  
(1)

(b) Work out what fraction of the games were lost.  
Give your answer in its simplest form.

.....  
(2)

26. Circle the percentage that is closest in value to  $\frac{2}{3}$



60 %      66 %      67 %      70 %

(1)

27. 18% of the cars in a car park are red.



$\frac{1}{5}$  of the cars in the same car park are white.

Jessica says there are more white cars than red cars in the car park.

Is Jessica correct?

Explain your answer.

.....  
.....

(2)

28. (a) Write 54.2% as a fraction.

Give your answer in its simplest form.



(2)

(b) Write 0.48% as a fraction.

Give your answer in its simplest form.

.....

(2)

29. Write  $\frac{4}{11}$  as a percentage.



.....%  
(2)

30. (a) Write  $\frac{15}{16}$  as a percentage.



.....%  
(1)

(b) Write  $\frac{9}{55}$  as a percentage.

.....%  
(1)

31. Write 40.5% as a fraction  
Give your answer in its simplest form.



.....  
(2)

32. Write 180% as a fraction.  
Give your answer in its simplest form.



.....  
(2)

33. Write  $\frac{37}{4}$  as a percentage.



.....%  
(2)

34. As part of a course, students sit two assessments.



Assessment 1 is out of 35 marks.

Assessment 2 is out of 125 marks.

The two scores are added together to get a final score.

To pass the course, the final score needs to be at least 80%

Kayleigh scores 13 marks in assessment 1

What is the lowest percentage that Kayleigh needs in assessment 2 to pass the course.

.....%  
**(4)**