

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

Exam Style Questions

Fraction of an amount



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

Video 137



1. Calculate



$$\frac{3}{4} \text{ of } 36$$

.....  
(2)

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2. Work out



$$\frac{1}{3} \text{ of } 24$$

.....  
(1)

---

3. Work out



$$\frac{2}{5} \text{ of } 35 \text{ days}$$

.....  
(2)

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4. Calculate



$$\frac{4}{9} \text{ of } 72\text{kg}$$

.....  
(2)

5. Work out



$\frac{4}{7}$  of 2 weeks

Give your answer in days.

.....days  
(2)

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6. Calculate



$\frac{5}{8}$  of 14kg

.....kg  
(2)

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7. James earns £800 a month.

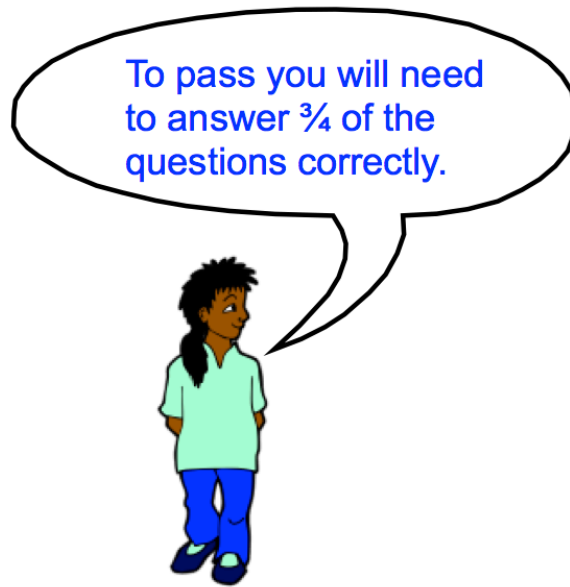


He spends  $\frac{1}{4}$  of this money on rent.  
James spends  $\frac{2}{5}$  of the money on food and bills.

How much money has he left?

£.....  
(4)

8. Mrs Johnson set 6 students a test.  
The test has 20 questions.



The results were:

Alan	14
Barry	16
Carl	13
Donna	19
Emma	20
Fiona	10

Work out which students passed the test.

9. Which is larger?



$\frac{1}{2}$  of 280 or  $\frac{3}{8}$  of 400

**Show your working.**

.....  
**(3)**

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10. Joanne has 300 sweets.  
She gives  $\frac{1}{2}$  of the sweets to Erin.



Joanne then gives  $\frac{1}{3}$  of the remaining sweets to William.

How many sweets does Joanne have left?

.....  
**(2)**

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11. Hannah has \$900.



She spends  $\frac{1}{3}$  of this money on books and  $\frac{2}{5}$  of the money on presents.

What fraction of the \$900 has she left?

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

12. A pair of jeans normally costs £40.  
In the sales there is  $\frac{1}{4}$  off.



Work out how much the jeans are in the sales.

£.....  
(2)

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13. Work out



$$\frac{5}{7} \text{ of } 168$$

.....  
(2)

---

14. In January a baby elephant weighs 180kg.



By March the weight of the baby elephant had increased by  $\frac{3}{8}$ .

Work out the weight of the baby elephant in March.

.....kg  
(3)

15. Bill is 80 years old.



His son Max is  $\frac{5}{8}$  of his age.

His granddaughter Jayne is  $\frac{1}{5}$  of his age.

How many years older than Jayne is Max?

.....  
(4)

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16. Georgie works 15 hours each week.



She earns £5 per hour.

Georgie saves  $\frac{1}{3}$  of her earnings each week.

How many weeks does it take Georgie to save £200?

.....  
(4)

17. Gregory received £2400. He gave  $\frac{1}{3}$  of it to his favourite charity and spent  $\frac{1}{5}$  of it on a new violin. What fraction of his money is left?



.....  
(4)

18. The attendance at Frome United versus Trowbridge Rovers was 8,701.



Of this crowd, five-sevenths were male.  
Calculate how many people were female.

.....  
(3)

19. A jar of coffee used to contain 520g.



New packets contain one-fifth less.  
Work out how much the new packet contains.

.....g  
(3)



20. The size of a packet of pasta is increased by one-quarter.  
The new size is later reduced by one-quarter.



Is the new packet smaller, the same size or larger than the original?

Explain how you worked out your answer.

**(3)**

20. When a bouncy ball is dropped it will rise to  $\frac{4}{5}$  of the height it dropped from.



A ball is dropped from a height of 5 metres and is allowed to bounce repeatedly.

Which is the least number of bounces until its rebound height is less than 2 metres?

**Show your working.**

.....bounces  
**(3)**