

Name: _____

Exam Style Questions



Median from a Frequency Table **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

Video 51



1. The table shows the ages of an under-21 rugby squad.

Age	Frequency
18	5
19	5
20	9
21	4



23

Find the median age.

$$\frac{23+1}{2} = 12^{\text{th}} \text{ value}$$

20

(1)

2. A survey was taken of the amount of money spent at a greengrocers by 50 shoppers on a Saturday. The table shows the results.

Amount spent, m, (£)	Frequency
$0 < m \leq 5$	4
$5 < m \leq 10$	12
$10 < m \leq 15$	26
$15 < m \leq 20$	8



Which class interval contains the median?

You **must** show your working.

$$\frac{50}{2} = 25^{\text{th}} \text{ value}$$

10 < m ≤ 15

(1)

3. George records the times taken by 20 students to complete a puzzle.

Time, t (minutes)	Number of Pupils
$0 < t \leq 3$	1
$3 < t \leq 6$	2
$6 < t \leq 9$	5
$9 < t \leq 12$	3
$12 < t \leq 15$	5
$15 < t \leq 18$	4



Which time interval contains the median time taken to complete the puzzle?

$$\frac{20}{2} = 10^{\text{th}} \text{ value}$$

$$9 < t \leq 12$$

(1)

4. A manager recorded how long each customer spent in his supermarket. The table shows his results.

Time, t (minutes)	Frequency
$0 < t \leq 10$	24
$10 < t \leq 20$	31
$20 < t \leq 30$	50
$30 < t \leq 40$	35
$40 < t \leq 50$	60



Which class interval contains the median?

$$\frac{200}{2} = 100^{\text{th}} \text{ value}$$

$$20 < t \leq 30$$

(1)

5. The table shows the heights of 100 students.

Height (h cm)	Frequency
$110 < h \leq 120$	8
$120 < h \leq 130$	16
$130 < h \leq 140$	25
$140 < h \leq 150$	32
$150 < h \leq 160$	19



Find the class interval in which the median lies.

50th value

$140 < h \leq 150$

(1)