Name:

Exam Style Questions

Wages

Corbettmaths

Equipment needed: Calculator, pen

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

Video 400h

Answers and Video Solutions

1. Rosie works 34 hours per week.
She is paid £15 per hour.

Work out Rosie's weekly wage.

$$\begin{array}{r} 34 \\ \times 15 \\ \hline 170 \\ +340 \\ \hline 510 \end{array}$$

£510

(2)

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2. Seren works 28 hours and is paid £469

Work out Seren's hourly rate of pay.

$469 \div 28 = £16.75$

£16.75

(2)

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3. Erin is paid £18.40 per hour.

She works $36\frac{1}{2}$ hours per week.

Work out Erin's weekly wage.

$18.40 \times 36.5 = £671.60$

£671.60

(2)

4. Jacob is making personalised decorations.

He needs to make 3000 decorations.
Each day he can make 250 decorations.
Jacob will be paid £90 per day.

Work out how much Jacob should earn in total.

$3000 \div 250 = 12$

$12 \times 90 = £1080$

£1080

(3)

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5. Martin delivers leaflets.
He is paid £12.50 per hour and 3p for each leaflet delivered.

He works 9 hours and delivers 800 leaflets.

Work out how much Martin is paid for delivering the leaflets.

$800 \times 0.03 = £24$

$9 \times 12.50 = £112.50$

$+$

$£136.50$

£136.50

(2)

6. Alex wants to install a new shower.

The shower costs £309
Alex hires a plumber who charges £35 per hour.
The plumber takes 3 hours to install the shower.

How much will it cost Alex to install the new shower?

$3 \times 35 = £105$

$£309$

$£414$

£414

(2)

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7. Amara works 25 hours and is paid a total of £425

Emilia works 20 hours and is paid a total of £342

Show that Emilia's hourly rate of pay is greater than Amara's hourly rate of pay.

Amara $425 \div 25 = £17$ per hour

Emilia $342 \div 20 = £17.10$ per hour.

Emilia earns 10p more per hour.

(3)

8. Patryk works in a shop.

The table below shows his rate of pay.

Day	Rate of Pay
Monday - Friday	£12.60 per hour
Saturday	£13.50 per hour
Sunday	£13.75 per hour

Patryk worked 34 hours in total last week.
He worked 4 hours on Saturday and 8 hours on Sunday.

Patryk says he will be paid more than £450 for his work last week.
Show that he is wrong.

$4 \times 13.50 = £54$

$8 \times 13.75 = £110$

$34 - 4 - 8 = 22$ hours

$22 \times 12.60 = £277.20$

$54 + 110 + 277.20 = £441.20$

Patryk earns £441.20, which is less than £450

(3)

9. Ben works 42 hours each week.
His weekly wage is £453.60

Next year Ben will be paid an extra 65p per hour.

How much will Ben's weekly wage be next year?

453.60 ÷ 42 = £10.80

£10.80 + £0.65 = £11.45

42 × 11.45 = £480.90

or 0.65 × 42 = £27.30

£453.60 + £27.30 = £480.90

£480.90

(3)

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10. Clare earns £11.50 per hour.
For overtime, Clare is paid double time.

Yesterday, Clare worked 6 hours at the normal rate of pay and 3 hours overtime.

Work out how much Clare was paid for her work yesterday.

6 × £11.50 = £69

£11.50 × 2 = £23

£23 × 3 = £69

69 + 69 = £138

£138

(3)

11. Shown below is Jack's payslip.

Hours worked	Rate of pay (hourly)	Pay
30	£16.80	£504
10	£19.15	£191.50
4	£24.45	£97.80
	Total Pay =	£793.30

Deductions	
Tax	£102.28
National Insurance	£73.08
Pension	£40
Total deductions	£215.36

Take home pay =	£577.94

Complete Jack's payslip.

(5)

12. Emily is paid £12 per hour for the first 36 hours that she works each week.
If she works any extra hours, she is paid at one and a half times the hourly rate, for the extra hours.

This week Emily will work 41 hours.

$12 \times 1.5 = 18$

Work out how much Emily will be paid for her work.

$12 \times 36 = £432$

$18 \times 5 = £90$

$+$

$£522$

£522

(5)

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13. Yasmin is paid £18.20 per hour for the first 30 hours she works each week.

If she works more than 30 hours, she is 30% more for each extra hour worked.

One week Yasmin works 38 hours.

Work out how much Yasmin was paid for that week.

10% of £18.20 = £1.82

30% of £18.20 = £5.46

£18.20 + £5.46 = £23.66

$30 \times 18.20 = £546$

$8 \times 23.66 = £189.28$

$+$

$£735.28$

£735.28

(4)

14. Each week Oscar normally works 32 hours and is paid £13.80 per hour.

If Oscar works more than 32 hours, he is paid an overtime rate which is £5.30 more than his normal rate of pay, for each extra hour.

Oscar's total earnings for his work last week was £651.70

Work out how many hours Oscar worked last week.

$32 \times 13.80 = £441.60$

$651.70 - 441.60 = £210.10$

$13.80 + 5.30 = £19.10$

$210.10 \div 19.10 = 11$ hours

$32 + 11 = 43$

43 hours

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(3)