

Name .....

Jun 05 Q2

2 (a) Work out 32% of £9.50

.....  
.....

Answer £ ..... (2 marks)

Jun 03 Q14

14 Jim buys furniture for £74.40  
Delivery will cost Jim an extra 5%.

How much is the delivery charge?

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.....  
.....

Answer £ ..... (2 marks)

5 Last year a company had 80 employees.  
This year the number of employees is 35% more.

Nov 04 Q5

How many employees are there this year?

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.....

.....

Answer ..... (3 marks)

Jun 02 Q13

13 Alison wants to buy an MP3 CD player and finds the following advertisement.

**Musical Moments**

MP3 CD player

**40% off**

recommended price of  
**£320**



Calculate the cost of the MP3 CD player at Musical Moments.

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Answer £..... (3 marks)

Increase £21 by 5%.

.....  
.....

Answer £..... (3 marks)

4 (a) A year ago, Mark was 185 cm tall.  
He is now 4.3% taller.  
How tall is Mark now?

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.....  
.....  
.....

Answer ..... cm (3 marks)

6 Karl was given £3.20 pocket money each week in 2004.  
In 2005, his pocket money was increased to £3.90 each week.

Calculate the percentage increase in Karl's pocket money.

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.....  
.....

Answer ..... % (3 marks)

7 A shop advertises a special offer.

***Portable Television***

Was £90

Now £69



Find the percentage reduction in the cost of the television.

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.....  
.....  
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Answer ..... % (3 marks)

(b) Shahid gains 24 marks out of 40 in the test.

Work out his mark as a percentage.

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.....

Answer ..... % (2 marks)

12 Jenny buys a CD for £16.50  
Six months later Jenny sells the CD for £13.20

What is the percentage decrease in the value of the CD?

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.....  
.....

Answer ..... % (3 marks)

(b) A year ago Vicky weighed 151 lb.

She now weighs 164 lb.

Calculate the percentage increase in Vicky's weight.

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.....  
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Answer ..... % (3 marks)

9 A shop has a special offer.

**SPECIAL OFFER**  
*This Week Only*

**BUY THREE ITEMS  
AND  
GET THE CHEAPEST ONE FREE**

(a) Ian buys the following items:

A bottle of shampoo priced at	£1.75
A bar of soap priced at	£1.15
An aftershave spray priced at	£2.85

What is Ian's percentage saving using this special offer?

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Answer ..... % (3 marks)

(b) The greatest possible percentage saving is when the three items are all the same price.

Calculate this percentage saving.

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Answer ..... % (2 marks)

## Jun 05 Q2

2(a)	$\frac{32}{100} \times 9.5(0)$	M1	oe Build up must be totally correct eg 10% = 0.95   30% = 2.85 2% = 0.19 <b>and</b> adds 2.85 and 0.19
	3.04	A1	
(b)	6.46	B1 ft	ft 9.50 – their (a)

## Jun 03 Q14

14	$\frac{5}{100} \times £74.40$	M1	SC1 for £7.44 for 10% and attempt at 5%
	= £3.72	A1	SC1 for £78.12

## Nov 04 Q5

5	0.35 × 80 (= 28)	M1	Sight of 1.35
	80 + their 28	M1 dep	1.35 × 80
	108	A1	

## Jun 02 Q13

13	Discount is $\frac{40}{100} \times £320$ = £128 ∴ Price is £192	M1  A1 A1	Alternative: $\frac{60}{100} \times £320$ M1 = £192                      A2
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### Mar 03 Q11

(b)	$21 \div 100 \times 5$	M1	$\frac{105}{100} \times 21$
	$= 1.05$	A1	
	$21 + 1.05 = 22.05$	B1	

### Nov 02 Q4

4(a)	Increase is $185 \times \frac{4.3}{100}$	M1	
	$= 7.955$	A1	Accept 7.96
	$\therefore$ Height is 193 cm	A1	

### Mar 05 Q6

6	Increase = 0.70 (or 70p)	B1	
	Percentage increase = $\frac{0.70}{3.20} \times 100$	M1	
	21.875	A1	Accept 21.9 or 22 or 21.88

### Nov 03 Q7

7	Reduction is £21	B1	
	Percentage is $\frac{21}{90} \times 100$	M1	
	$= 23.3$	A1	Accept 23, $23\frac{1}{3}$ , 23.33... SC2 for 23.4 or 23.34 or $\frac{69}{90} \times 100$ M1 $= 76.\dot{6}$ or 77 or 76.7 A1 23.3 B1

## Nov 03 Q5

(b)	$\text{Percentage} = \frac{24}{40} \times 100$ $= 60$	M1 A1	
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## Mar 03 Q12

12	3.3(0)	B1	
	$\frac{3.30}{16.50} \times 100$	M1	
	= 20	A1	80(%) scores SC2

## Nov 02 Q4

(b)	Increase is 13 lb	B1	
	$\% \text{ is } \frac{13}{151} \times 100$	M1	
	= 8.6 %	A1	Accept 8.61

## Jun 03 Q9

9(a)	Total price = £ (1.75 + 1.15 + 2.85)	M1	
	= £5.75		
	Saving = £1.15		
	(Percentage saving =) $\frac{1.15}{5.75} \times 100\%$	M1	
	= 20%	A1	80% SC2
(b)	$33\frac{1}{3}\%$ or 33% or 33.3%	B2	B1 for $\frac{1}{3}$ , 67%, $66\frac{2}{3}\%$ , 66.6%, 66.7%