

Foundation GCSE Mathematics Revision Pack**NUMBER – CALC****Q1.** (a) Work out the square of 3

.....(1)

(b) Work out the value of 2^6

.....(1)

(c) Write 80% as a fraction. Give your answer in its simplest form.

.....(2)

(d) Work out 10% of £320

£(2)

(e) Write these numbers in order of size.
Start with the smallest number.
 $\frac{2}{5}$ 45% 0.35 $\frac{3}{8}$

.....(2)

(Total 8 marks)**Q2.** The table shows the temperatures in three cities at noon one day.

Oslo	New York	Cape Town
-13°C	-5°C	9°C

(a) Work out the difference in temperature between Oslo and New York.

..... $^{\circ}\text{C}$ (1)

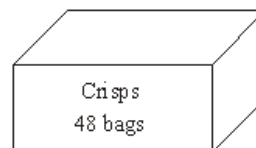
(b) Work out the difference in temperature between Cape Town and Oslo.

..... $^{\circ}\text{C}$ (1)**(Total 2 marks)****Q3** Jan bought 3 boxes of Salt 'n' Vinegar crisps and 2 boxes of Ready Salted crisps to sell at the Year 11 disco.

There are 48 bags of crisps in each box.

At the end of the disco there were 25 bags of crisps left.

How many bags of crisps were sold at the disco?



..... Bags

(Total 3 marks)

Q4. Ben buys 10 trays of bottled water for £5.99 a tray.

Each tray holds 12 bottles of water.

Ben goes to a car boot sale to sell his water.

In the morning he sells 80 bottles at 99p each.

In the afternoon he reduces the price and he sells all the bottles he has left for 75p each.

How much profit or loss does he make?



£

(Total 5 marks)

Q5. Jemilla goes swimming. She swims 64 lengths of a swimming pool. Each length is 25 m long.

(a) Work out how far Jemilla swims. Give your answer in kilometres.

..... kilometres (3)

The swimming pool is 25 m long by 10 m wide by 2.5 m deep.

(b) How many litres of water does it contain?


..... l (3)

(Total 6 marks)

Q6. This is the meter reading card for Mr Hassan's use of electricity.


Electricity Meter Reading

Lightning Electric Co



Date of meter reading	Reading in units				
3 April 2012	0	8	9	6	3
30 June 2012	1	0	6	2	5

Here is part of Mr Hassan's bill.

Electricity Bill		Lightning Electric Co
		
2 July 2012		
Current rates		
Standing charge	15.07p for each day	
Cost per unit	11.85p	

Find the total cost of Mr Hassan's electricity bill.

£

(Total 6 marks)

Q7. In a school there are 220 pupils in Year 9. 120 of these pupils are girls.

What fraction of the 220 pupils are boys? Give your fraction in its simplest form.

..... (Total 2 marks)

Q8. Kaz buys a car. The normal price of the car is £7200. Kaz gets a 10% discount.

(i) Work out 10% of £7200

£

(ii) Work out how much Kaz pays for the car.

£

(Total 3 marks)

Q9. Mandy lives in Weymouth. She is planning a trip to Bournemouth. She will travel by train.

Here is part of the train timetable from Weymouth to Southampton and back.

Weymouth to Southampton					
Weymouth	0903	1003	1103	1203	1303
Dorchester	0913	1013	1113	1213	1313
Poole	0940	1040	1140	1240	1340
Bournemouth	0953	1053	1153	1253	1353
Brockenhurst	1020	1120	1220	1320	1420
Southampton	1026	1126	1226	1326	1426
Southampton to Weymouth					
Southampton	1224	1324	1424	1524	1624
Brockenhurst	1237	1337	1437	1537	1637
Bournemouth	1300	1400	1500	1600	1700
Poole	1335	1435	1535	1635	1735
Dorchester	1344	1444	1544	1644	1744
Weymouth	1355	1455	1555	1655	1755

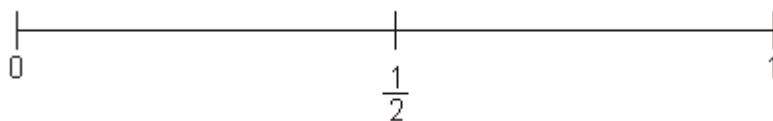
It takes Mandy 25 minutes to walk from home to the train station at Weymouth. She wants to be in Bournemouth for 3 hours. Plan a schedule for Mandy's trip.

	Time
Mandy leaves home	
Train departs Weymouth	
Train arrives Bournemouth	
Train leaves Bournemouth (Mandy comes home)	
Train arrives Weymouth	
Mandy arrives home	

(Total 5 marks)

Q10. Liam rolls an ordinary dice.

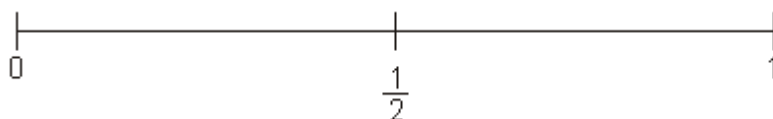
- (a) On the probability scale below, mark with a cross () the probability that he gets a number less than 7.



(1)

A bag contains 3 blue counters and 1 red counter.
Kenneth takes at random one counter from the bag.

- (b) On the probability scale below, mark with a cross (X) the probability that he takes a red counter.



(1)

Terry spins a coloured spinner. The probability that the spinner will land on green is 0.25

The probability that the spinner will land on yellow is 0.35

- (c) (i) Write 0.25 as a fraction.(1)
- (ii) Write 0.35 as a percentage.(1)

A weather forecaster says that the probability it will rain tomorrow is s .

- (d) Write down, in terms of s , the probability that it will **not** rain tomorrow.
.....(1)

(Total 5 marks)

Q11. There are 200 people in a cinema. 25% of the people are men.

$\frac{1}{5}$ of the people are women. The rest of the people are children.

Work out how many children are in the cinema.

.....

(Total 3 marks)

- Q12.** Beth is planning a trip for a group of 36 people. The group can go to a theme park **or** to a concert. If they go to the concert, they will go by train. If they go to the theme park, they will go by coach. Beth has information about the costs.

<p><u>Theme Park Ticket Prices</u></p> <p>£9 per person or £6.50 per person in a group of 10 or more people</p>	<p><u>Coach Hire</u></p> <p>24 seats £260 40 seats £320 54 seats £410</p>
<p><u>Concert Ticket Price</u></p> <p>£7.50</p>	<p><u>Return Train Fares</u></p> <p>£8.25 each or £26.50 for each group of 4 people</p>

What is the least possible total cost of the trip? You must show all your working.

(Total 5 marks)

- Q13.** The table gives information about the prices and the features of five mobile phones.

The ticks (✓) in the table show the features of each phone.

Mobile phone	Price	Feature			
		Camera	MP3	FM Radio	Video
Astra	£24.97	✓			
Crystal	£24.97	✓			✓
Pixar	£39.97	✓	✓	✓	
Spark	£34.23	✓		✓	✓
Tacco	£34.97	✓	✓	✓	✓

- (a) Which of the five mobile phones is the most expensive?

.....(1)

- (b) Which of the mobile phones have MP3?

.....(1)

- (c) Which mobile phone has Video but **not** FM Radio?

.....(1)

Mirza has a monthly plan for his mobile phone. Each month, he pays a total of £9.79 plus the cost of any extra minutes.

Monthly Plan
For £9.79 per month you get:
100 minutes and unlimited texts.
Extra minutes: 24.5p each

Last month, Mirza used 112 minutes.

(d) Work out how much he paid in total last month.

£(4)

(Total 7 marks)

Q14. Work out $£1.70 \times 5$

£(Total 1 mark)

Q15. Here is a list of numbers.

2 4 5 6 7 8

From the list of numbers write down

(i) an odd number..... (ii) a square number.....

(iii) a multiple of 3..... (iv) a factor of 10.....

(Total 4 marks)

Q16. Use a calculator to work out $\sqrt{2.56} + 8.4$

.....(Total 2 marks)

Q17. Work out 28% of £85 000

£(Total 2 marks)

Q18. A television reporter did a survey. She asked people to name their favourite sport. The table gives some information about the answers she got.

Favourite Sport	Percentage
Football	30 %
Cricket	14 %
Hockey	9 %
Snooker	8 %
Tennis	4 %
Other

(a) Complete the table. (1)

(b) Write down the percentage of people who said snooker.

..... % (1)

(c) Write 30% as a fraction. Give your answer in its simplest form.

..... (2)

(d) Write 9% as a decimal.

..... (1)

2000 people took part in the survey. (e) Work out the number of people who said cricket.

..... (2)

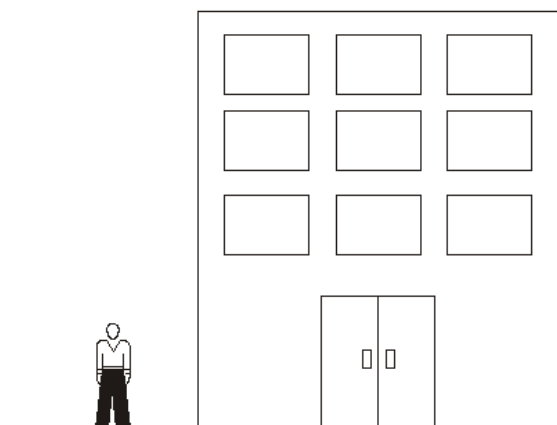
40 people said golf.

(f) Work out 40 out of 2000 as a percentage.

..... % (2)

(Total 9 marks)

Q19.



The diagram shows a building and a man. The man is of normal height. The man and the building are drawn to the same scale.

(a) Write down an estimate for the height of the man.


..... (1)

(b) Write down an estimate for the height of the building.

..... (2)

(Total 3 marks)

Q20. Complete this bill.

Michael's Cycle Repairs 			
Description	Number	Cost of each item	Total
Brake blocks	4	£4.12	£16.48
Brake cables	2	£5.68	£.....
Pedals	2	£.....	£45.98
Labour charge $1\frac{1}{2}$ hours at £12.00 an hour			£.....
Total			£.....

(Total 4 marks)

Q21. 36 students each went to one revision class. $\frac{1}{6}$ of the students went to the physics revision class. $\frac{2}{9}$ of the students went to the biology revision class.

All of the other students went to the chemistry revision class. How many students went to the chemistry revision class?

..... (Total 3 marks)

Q22.

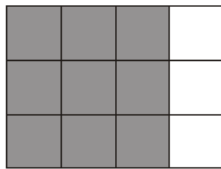
	18		42	
9		3	12	
6	81	11		30

From the numbers in the rectangle,

- (i) write down a multiple of 4,.....
- (ii) write down a factor of 21,.....
- (iii) write down a prime number.....

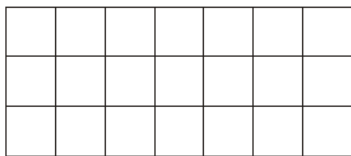
(Total 3 marks)

- Q23.** (a) Write down the fraction of this shape that is shaded. Give your fraction in its simplest form.



..... (2)

- (b) Shade $\frac{2}{7}$ of this shape.



(1)

- (c) Write $\frac{3}{10}$ as a decimal. (1)

- (d) Write 0.39 as a fraction.(1)

(Total 5 marks)

Q24.

Cinema tickets	
Adult ticket:	£8.65
Child ticket:	£4.90
Senior ticket:	£5.85

Tony buys one child ticket and one senior ticket.

- (a) Work out the total cost.

£ (1)

Stephanie buys adult tickets only. The total cost is £60.55

- (b) How many adult tickets does she buy?

..... (2)

Kamala buys one adult ticket and two child tickets. She pays with a £20 note.

- (c) How much change should she get?

£ (3)

(Total 6 marks)

- Q25.** (a) Write three pounds fifty pence in figures. £ (1)

- (b) Write three pounds five pence in figures. £ (1)


- (c) Write three thousand five hundred and ten pounds in figures. £(1)

(Total 3 marks)

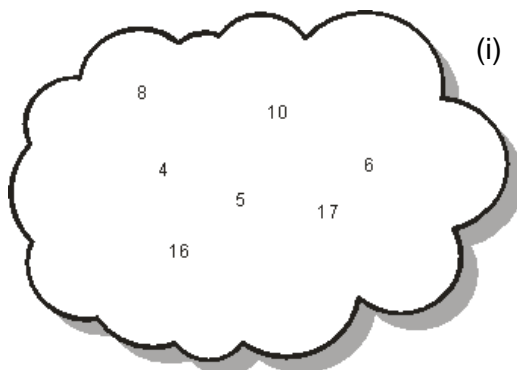
Q26.

Item	Costs (£)
Motor oil 1l	2.50
Wiper blades 1	8.75
Brake Pads 1	14.85
Antifreeze 1l	3.99
Hydraulic Fluid 1l	5.99
Spark Plugs	1.75

Mr Smith had his car serviced. He had to pay for a 15 000 mile service, 3 litres of oil and 4 spark plugs. Complete his bill, and work out the total amount to pay.

Gary's Garage			
Item	Number of items	Cost of one item	Total
15 000 mile Service (labour charge)	1	£75.50	£75.50
Motor oil 1l			
Spark plugs			
Total			£
VAT at 17—% of Total			£
Total amount to pay			£ (6 marks)

Q27. Using only the numbers in the cloud, write down



(i) an odd number

(ii) a multiple of 4

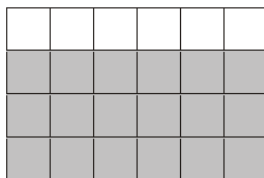
(iii) two numbers which have a sum which is a prime number

.....

(iv) the value of 2 squared

(Total 4 marks)

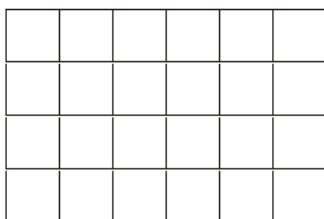
Q28.



- (a) Write down the fraction of this shape that is shaded.
Write your fraction in its simplest form.

..... (2)

- (b) Shade $\frac{2}{3}$ of this shape.



(1)

(Total 3 marks)

Q29.

Susie has one pound and sixty pence. Her friend, Katie, has two pounds and five pence.

They want to buy a pizza between them.

The pizza costs £3.50.

How much money will they have left?



Show your working here.

(Total 2 marks)

MARK SCHEME**M1.**

	Answer	Mark	Additional Guidance
(a)	9	1	B1 cao
(b)	64	1	B1 cao
(c)	$\frac{4}{5}$	2	B2 for 4/5 (B1 for 80/100 oe or 0.8)
(d)	£32	2	M1 for $10/100 \times 320$, or $320 \div 10$ A1 cao NB: £320-£32=£288 or £320+£32=£352 can be awarded M1 A1 , but £288 or £352 without working award B1
(e)	0.35, 3/8 2/5, 45%	2	B2 all correct, or for equivalents in order: 0.35, 0.375, 0.4, 0.45, or for a mixture of equivalents as long as the order is correct. (B1 one error of misplacing numbers, or correct conversion to decimals or %, or correct order but reversed). NB: accept 0.38 or 0.37 instead of 0.375 for B1 , but not B2
Total for Question: 8 marks			

M2.

	Answer	Mark	Additional Guidance
(a)	8	1	B1 cao Accept negative answers.
(b)	22	1	B1 cao Accept negative answers.
Total for Question: 2 marks			

M3.

Working	Answer	Mark	Additional Guidance
$(3 + 2) \times 48 = 240$ $240 - 35$	215	3	M1 for attempt to find total number of bags of crisps M1 for attempt to subtract 25 A1 cao 3
Total for Question: 3 marks			

M4.

	Working	Answer	Mark	Additional Guidance
QWC (i, ii, iii) FE	$10 \times £5.99 = £59.90$ $10 \times 120 - 80 = 40$ $80 \times £0.99 = £79.20$ $40 \times £0.75 = £30$ $£79.20 + £30 - £59.90$	£49.30 profit	5	M1 for attempt to find original cost of water M1 for attempt to find cost of sale of first 80 bottles M1 for attempt to find number of remaining bottles $10 \times 12 - 80$ oe M1 for attempt to find cost of cost of sale of remaining bottles A1 cao QWC: Decision must be stated with clear working attributed correctly OR M1 for $5.99 \div 12 = \text{approx } 50\text{p}$ M1 for attempt to find profit on sale of first
	OR			

$5.99 \div 12 = 50\text{p (approx)}$ $10 \times 12 - 80 = 40$ $80 \times ("99 - 50") = \text{£}39.20$ $40 \times ("75 - 50") = \text{£}10$	80 bottles M1 for attempt to find number of remaining bottles M1 for attempt to find profit on sale of remaining bottles A1 cao QWC: Decision must be stated with clear working attributed correctly
Total for Question: 5 marks	

M5.

	Working	Answer	Mark	Additional Guidance
(a)	$64 \times 75\text{m} = 4800\text{m}$ $4800 \div 1000$	4.8 km	3	M1 for 64×75 M1 for " 64×75 " $\div 1000$ A1 cao
(b)	$\text{Vol} = 25 \times 10 \times 2.5 = 625\text{m}^3$ 625×1000	625 000	3	M1 for attempt at finding the volume M1 for attempt to find the number of l in 1m^3 or $1\text{m}^3 = 1000\text{l}$ A1 cao
Total for Question: 6 marks				

M6.

	Working	Answer	Mark	Additional Guidance
FE	Days 3 rd Apr to 30 th Jun is $28 + 31 + 30 = 89$ days Cost of days $= "89" \times 15.07\text{p} = \text{£}13.41$ Units used $10625 - 8963 = 1662$ Cost of units $= 1662 \times 11.85 = \text{£}196.95$ $196.95 + 13.41$	£210.36	6	M1 for attempt to find the number of days M1 for standing charge $= "89" \times 15.07\text{p}$ M1 attempt to find no.of units used M1 for attempt to find cost of units " 1662 " $\times 11.85\text{p}$ A1 for standing charge $= "13.41"$ or unit cost $= \text{£}196.95$ A1 for £210.36 cao
Total for Question: 6 marks				

M7.

Working	Answer	Mark	Additional Guidance
$220 - 120$ $\frac{100}{220}$	$\frac{5}{11}$	2	$\frac{220 - 120}{220}$ oe M1 for A1 cao OR M1 for $1 - \frac{120}{220} (= \frac{100}{220})$
Total for Question: 2 marks			

M8.

	Working	Answer	Mark	Additional Guidance
(i)	$\frac{10}{100} \times 7200$	720	2	$\frac{10}{100}$ M1 for $\frac{10}{100} \times 7200$ oe A1 (accept 720.00 or 720.0)
(ii)	$7200 - 720$	6480	1	B1 ft from (i) for $7200 - '720'$
Total for Question: 3 marks				

M9.

	Working	Answer	Mark	Additional Guidance
FE	e.g. 0903 – 25 minutes = 0838 0903 0953 0953 + 3 hours = 1253 1300 1355 1355 + 25 minutes = 1420	e.g. 0838 0903 0953 1300 1355 1420	5	B1 for a correct time 25 minutes (or more) before the train departs e.g. 0838, 0938 ... or earlier B1 for a correct departure time, e.g. 0903, 1003... with the associated correct arrival time 0953, 1053... B1 for a correct departure time (3 hours after arrival) e.g. 1300, 1400... B1 for a correct arrival time corresponding to the departure time, e.g. 1355, 1455... B1 for a correct arrival time at home, e.g. 1420, 1520...
Total for Question: 5 marks				

M10.

	Working	Answer	Mark	Additional Guidance
(a)		Cross at 1	1	B1 for cross at 1 (allow ± 2 mm tolerance)
(b)		$\frac{1}{4}$ Cross at	1	$\frac{1}{4}$ B1 for cross at $\frac{1}{4}$ (allow ± 5 mm tolerance)
(c)(i)		$\frac{1}{4}$	2	$\frac{1}{4}$ B1 for $\frac{1}{4}$ oe fraction
(ii)		35		B1 for 35 or 35.0
(d)		$1 - s$	1	B1 cao
Total for Question: 5 marks				

M11.

Working	Answer	Mark	Additional Guidance
$\frac{25}{100} \times 200 = 50$ $\frac{1}{5} \times 200 = 40$ $200 - 50 - 40$ OR $25 + 20 = 45$ $100 - 45 = 55$	110	3	$\frac{25}{100}$ M1 for $\frac{25}{100} \times 200$ or $200 \div 4 (= 50)$ or $\frac{1}{5}$ $\frac{1}{5} \times 200$ or $200 \div 5 (= 40)$ M1 (dep) for $200 - '50' - '40'$ OR M1 for $25 + '20' (= 45)$ or $100 - '45'$ or

$\frac{55}{100} \times 200$ <p>OR</p> $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20} = \frac{9}{20}$ $\frac{11}{20} \times 200$		$\frac{45}{100} \times 200 (= 90)$ $\frac{55}{100} \times 200 \text{ or } 200 - \frac{45}{100} \times 200$ <p>M1 (dep) for</p> <p>OR</p> $\frac{1}{4} + \frac{1}{5} \text{ or } \frac{9}{20} \text{ or } \frac{9}{20} \times 200 (= 90)$ <p>M1 for</p> $\frac{11}{20} \times 200 \text{ or } 200 - \frac{9}{20} \times 200$ <p>M1 (dep) for</p> <p>A1 cao</p>
Total for Question: 3 marks		

M12.

Working	Answer	Mark	Additional Guidance
$6.50 \times 36 = 234$ $234 + 320 = 554$ $36 \div 4 = 9$ $26.50 \times 9 = 238.50$ $36 \times 7.50 = 270$ $270 + 238.5 = 508.5$ <p>OR</p> $320 \div 36 = 8.88(9)$ $8.88(9) + 6.50 = 15.38(9)$ $26.50 \div 4 = 6.62(3)$ $6.62(3) + 7.50 = 14.12(3)$ $14.12(3) \times 36 = 508.50$	£508.50	5	<p>M1 for using $36 \times$ correct entrance price, 36×7.50 or 36×6.50</p> <p>M1 for using correct travel cost, 320 or "$36 \div 4$" \times 26.50 (238.50) [condone 320 for concert and "$36 \div 4$" \times 26.50 (238.50) for theme park]</p> <p>A1 for 554 cao</p> <p>A1 for 508.5 cao</p> <p>C1 ft for identifying, in words, the cheaper venue from 2 calculated amounts. One amount must be for the theme park and one amount must be for the concert [Note: the 2 calculated amounts must each be of ticket plus travel costs]</p> <p>OR</p> <p>M1 for $320 \div 36 [= 8.88(9)]$ or $26.50 \div 4 = [6.62(3)]$</p> <p>A1 for 15.38(9) or 14.12(3)</p> <p>M1 for "$14.12(3)$" \times 36</p> <p>A1 for 508.5</p> <p>C1 ft for identifying, in words, "the cheaper cost per student gives the least total cost".</p>
Total for Question: 5 marks			

M13.

	Answer	Mark	Additional Guidance
(a)	Pixar	1	B1 cao
(b)	Pixar, Tacco	1	B1 cao
(c)	Crystal	1	B1 cao
(d)	12.73	4	<p>M1 for 112-100 or 12 seen</p> <p>M1 for $24.5 \times '12'$ or sight of digits 294. Do not allow '12' to be 100.</p> <p>M1 (dep on one prior M1) for $9.79 + '2.94'$</p> <p>A1 cao</p>
Total for Question: 7 marks			

M14.

Working	Answer	Mark	Additional Guidance
$\pounds 1.70 \times 5$	8.50	1	B1 for 8.50 or $\pounds 8.50p$, but NOT for 8.5 or 8.05
Total for Question: 1 mark			

M15.

	Answer	Mark	Additional Guidance
(i)	5 or 7	4	B1 5 or 7
(ii)	4		B1 cao
(iii)	6		B1 cao
(iv)	2 or 5		B1 2 or 5
Total for Question: 4 marks			

M16.

Working	Answer	Mark	Additional Guidance
$1.6 + 8.4$	10	2	B2 for 10 (B1 for sight of 1.6)
Total for Question: 2 marks			

M17.

Working	Answer	Mark	Additional Guidance
$\frac{28}{100} \times 85000$	23800	2	$\frac{28}{100}$ M1 for $\frac{28}{100} \times 85000$ oe OR a complete method, allow one arithmetic error A1 cao
Total for Question: 2 marks			

M18.

	Working	Answer	Mark	Additional Guidance
(a)		35%	1	B1 cao (accept 35)
(b)		8	1	B1 cao
(c)	$\frac{30}{100}$	$\frac{3}{10}$	2	$\frac{30}{100}$ or $\frac{15}{50}$ or $\frac{6}{20}$ or 0.3(0) seen A1 cao
(d)		0.09	1	B1 cao
(e)	$\frac{14}{100} \times 100$	280	2	$\frac{14}{100}$ M1 for $\frac{14}{100} \times 100$ oe A1 cao NB: 280% gets M1 A0
(f)	$\frac{40}{2000} \times 100$	2	2	$\frac{40}{2000}$ M1 for $\frac{40}{2000} \times 100$ oe A1 cao
Total for Question: 9 marks				

M19.

	Working	Answer	Mark	Additional Guidance
(a)		1.5 → 2.2 metres	1	B1 for 1.5m → 2.2m oe or 4ft 10 inches → 7ft oe
(b)	$3 \times (a) \rightarrow 5 \times (a)$	4.5 m → 11 m	2	M1 for $3 \times (a) \rightarrow 5 \times (a)$ (units not needed but cannot be contradictory) A1 cao for 4.5m → 11m oe or 14½ ft → 35ft oe (units needed) Note: 5m = 500 cm = 196.85 inches = 16.4 ft
Total for Question: 3 marks				

M20.

Answer	Mark	Additional Guidance
11.36 22.99 18.00 91.82	4	B1 cao B1 cao B1 cao (allow 18) B1 for 91.82 or f.t. from adding at least 3 item totals (62.46 + "11.36" + "18.00")
Total for Question: 4 marks		

M21.

Working	Answer	Mark	Additional Guidance
$\frac{1}{6} \times 36 = 6$ $\frac{2}{9} \times 36 = 8$ $36 - (8 + 6)$	22	3	$\frac{1}{6} \times 36$ or $36 \div 6$; $\frac{2}{9} \times 36$ or $36 \div 9 \times 2$ or 8 seen or 14 seen or $\frac{1}{6} + \frac{2}{9}$ or $\frac{7}{18}$ oe or 6 seen as long as not with incorrect working. M1 (dep) for $36 - '(8 + 6)'$ or $36 - \left(\frac{2}{9} + \frac{1}{6}\right) \times 36$ or $\left(1 - \frac{1}{6} + \frac{2}{9}\right) \times 36$ A1 for 22 cao $\frac{22}{36}$ SC B2 for $\frac{22}{36}$ oe fraction
Total for Question: 3 marks			

M22.

	Answer	Mark	Additional Guidance
(i)	12	1	B1 for 12 cao
(ii)	3	1	B1 for 3 cao
(iii)	3 or 11	1	B1 for 3 and/or 11 cao
Total for Question: 3 marks			

M23.

	Working	Answer	Mark	Additional Guidance
(a)	$\frac{9}{12}$	$\frac{3}{4}$	2	$\frac{3}{4}$ for $\frac{9}{12}$ cao (B1 for $\frac{9}{12}$ seen)
(b)		shading	1	B1 for 6 squares (only) shaded
(c)		0.3	1	B1 for 0.3 oe
(d)		$\frac{39}{100}$	1	$\frac{39}{100}$ for $\frac{39}{100}$ oe as a fraction
Total for Question: 5 marks				

M24.

	Working	Answer	Mark	Additional Guidance
(a)	$5.85 + 4.90$	10.75	1	B1 for 10.75 cao
(b)	$60.55 \div 8.65$	7	2	M1 for $60.55 \div 8.65$ or $8.65 \times 7 = 60.55$ or for at least 4 repeated additions or subtractions of 8.65 A1 for 7 cao
(c)	$8.65 + (4.90 + 4.90)$ $20 - 18.45$	1.55	3	M1 for $8.65 + (4.90 + 4.90)$ M1 (dep) for $20 - '18.45'$ A1 for 1.55 cao SC: award B1 for sight of 18.45 or 6.45 or 10.20 award B2 for 155
Total for Question: 6 marks				

M25.

	Answer	Mark	Additional Guidance
(a)	3.50	1	B1 for 3.50 cao
(b)	3.05	1	B1 3.05 cao
(c)	3510	1	B1 for 3510 or 3510.00
Total for Question: 3 marks			

M26.

	Working	Answer	Mark	Additional Guidance
FE	$3 \times 2.5 = 7.50$ $4 \times 1.75 = 7$ $75.50 + 7.50 + 7 = 90$ $9 + 4.5 + 2.25 = 15.75$	105.75	6	B1 3 and 7.50 B1 4 and 7 B1 90 ft M1 $9 + 4.5 + 2.25$ seen A1 15.75 A1 cao
Total for Question: 6 marks				

M27.

	Working	Answer	Mark	Additional Guidance
(i)		5 or 17	1	B1 5 or 17 or both
(ii)		4, 8, or 16	1	B1 for one, two or three of 4, 8 or 16
(iii)		5 and 6	1	B1 5 and 6 oe
(iv)		8	1	B1 cao
Total for Question: 4 marks				

M28.

	Working	Answer	Mark	Additional Guidance
(a)		$\frac{3}{4}$	2	$\frac{3}{4}$ B2 $\frac{3}{4}$ cao $\frac{18}{24}, \frac{12}{16}, \frac{9}{12}, \frac{6}{8}$ (B1 $\frac{18}{24}, \frac{12}{16}, \frac{9}{12}, \frac{6}{8}$)
(b)		Any 16 squares shaded	1	B1 Any 16 squares shaded
Total for Question: 3 marks				

M29.

Working	Answer	Mark	Additional Guidance
$1.60 + 2.05 = 3.65$	15p	2	B1 £3.65 oe B1 15p
Total for Question: 2 marks			