

Level 6 Revision – Sheet 1

Answers only in the space provided.

Working need not be shown but any you do, must be done neatly on the reverse side of this sheet.

Name		Form	
	Mark:		out of 10
		Answer	
1			
2	Write 35% as a fraction		
3	Write 0.4 as a fraction		
4	Write $\frac{2}{5}$ as a decimal		
5	Write $\frac{13}{20}$ as a percentage		
6	Round 23.4627 to 1 decimal place		
7	Round 23.4627 to 3 decimal places		
8	Find 12% of 240		
9	The price of a £90 mp3 player is reduced by 20%. What is the new price?		
10	4 children out of a class of 24 were late. What percentage is this?		
11	200 sweets are shared between Baz and Caz in the ratio 3:7. How many does Caz get?		
12	Some sweets are shared between Maz and Shaz in the ratio 4:7. If Maz gets 36 sweets, how many sweets were there in total?		
13	Put these in order of size: 0.9, 0.09, 0.19, 0.109		
14	3 out of 12 eggs were broken. What fraction is this?		
15	$(-12) \times 8$		
16	$55 \div (-11)$		
17	$(-9) \times (-7)$		
18	Write 36 as a product of its prime factors		
19	Write 48 as a product of its prime factors		
20	What is the HCF of 36 and 48?		

Level 6 Revision – Sheet 2

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Name		Form	
	Mark:		out of 10
		Answer	
1	What is the LCM of 12 and 15?		
2	123×0.1		
3	$123 \div 0.1$		
4	If it takes 9 men 4 hours to build a wall, how many hours will it take 7 men (1dp)?		
5	Convert your answer to Q4 to hours minutes and seconds		
6			
7	Will the answer to be positive or negative?		
8	Find		
9	Find		
10	10^3		
11	Write 1,000,000 as a power of 10		
12	Round 271 to 1 significant figure		
13	Round 34699 to 1 significant figure		
14	Write as a power of 2.		
15	Write as a power of 4.		
16	Write an nth term formula for this sequence of numbers: 3, 7, 11, 15, 19,...		
17	Write down the 10 th term of the sequence given by the formula $T_n = 5n - 3$		
18	Write down the 11 th term of the sequence: 2, 8, 14, 20,		
19	Find the value of y when $y = 2a + b$, $a = 12$ and $b = 17$		
20	Find the value of a when $y = 2a + b$, $b = 7$ and $y = 29$		

Level 6 Revision – Sheet 3

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this sheet.

Name		Form	
	Mark:		out of 10
		Answer	
1	What do the exterior angles of a pentagon add up to?		
2	The exterior angle of a polygon is 120° , how big is the interior angle?		
3	A straight line has a gradient of 3 and an intercept of 7. What is its equation?		
4	A straight line has an equation $y = 4x - 5$. What is its gradient?		
5	What is the intercept of the line in Q4?		
6	Find 34×0.01 without using a calculator.		
7	Find $34 \div 0.01$ without using a calculator.		
8	Write down the nth term formula for this sequence: 5, 8, 11, 14, 17,		
9	What do the interior angles of a quadrilateral add up to?		
10	What do the interior angles of a hexagon add up to?		
11	A cube has sides of 5 cm. What is its surface area?		
12	The probability that it will be sunny tomorrow is 0.34. What is the probability that it will not be sunny?		
13	Find Q1 of this list of numbers: 5, 8, 11, 14, 17, 21, 23		
14	Find Q2 of the numbers in Q13		
15	Find Q3 of the numbers in Q13		
16	Find the IQR of the numbers in Q13		
17	In a survey of 100 people, 40 said they preferred apples. What angle would be used to represent this on a pie chart.		
18	On a pie chart, the sector representing the people who said they preferred pears had an angle of 35° . If there were 120 people in the survey, how many preferred apples?		

Level 6 Revision – Sheet 4

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Name		Form	
	Mark:		out of 10
		Answer	
1	Find 3 fifths plus 4 sevenths		
2	What is the LCM of 10 and 12		
3	What is the HCF of 10 and 15		
4	6 children out of a class of 30 were late. What fraction is this?		
5	Put these in order of size: 0.5, 0.05, 0.59, 0.15		
6	Find x if $3x + 7 = 5x + 3$		
7	Expand $2a(3b + 4c)$		
8	Expand $3a(5a - 7b)$		
9	Simplify		
10	Write 1000 as a power of 10		
11	Round 394 to 1 significant figure		
12	Write down the nth term formula of this sequence: 5, 1, -3, -7, -11, ...		
13	A straight line passes through (2,5) and (4, 9). What is its gradient?		
14	What is the angle between the lines $x = 4$ and $y = 4$?		
15	A circle has a diameter of 20cm. What is its area to 1 dp?		
16	What is the circumference of the circle in Q15?		
17	There are 5 green discs and 7 purple discs in a bag. What is the probability that I take out a red disc?		
18	What is the probability that I take out a green disc from the bag in Q17?		
19	What is the IQR of these numbers: 13, 17, 18, 27, 33, 36, 39, 41, 45, 49, 56, 56?		

Level 6 Revision – Sheet 5

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Name		Form	
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	Mark:		out of 10
		Answer	
1	Write down the equation of a straight line which is parallel to the line $y = 4x - 3$.		
2	What is the intercept of the line in Q1?		
3	Use your calculator to find		
4	A rectangle measures 8cm by 18cm. What is the perimeter of a square with the same area as the rectangle?		
5	What is the radius of a circle which has a circumference of 14.7cm (use $\pi = 3.1$)		
6	What is the area of a circle with a radius twice as big as the circle in Q5?		
7	A box measures 120mm by 5cm by 0.17m. What is its volume in cm^3 ?		
8	What are the coordinates of the midpoint of the line connecting (3,9) and (5,7)?		
9	Find .		
10	Find		
11	Solve		
12	Find the value of when $p = 7$.		
13	Solve		
14	Which is cheaper 10% off £22 or 12% off £23?		
15	Write 56 as a product of its prime factors		
16	Write 560 as a product of its prime factors		
17	It takes 4 boys 6 minutes to tidy a room. How long (to nearest second) would it take 7 boys?		
18	Write 200,000 using powers of 10.		
19	In a group of 20 children, 12 were boys. What fraction were girls?		
20	What is £250 split in the ratio of 3:2?		