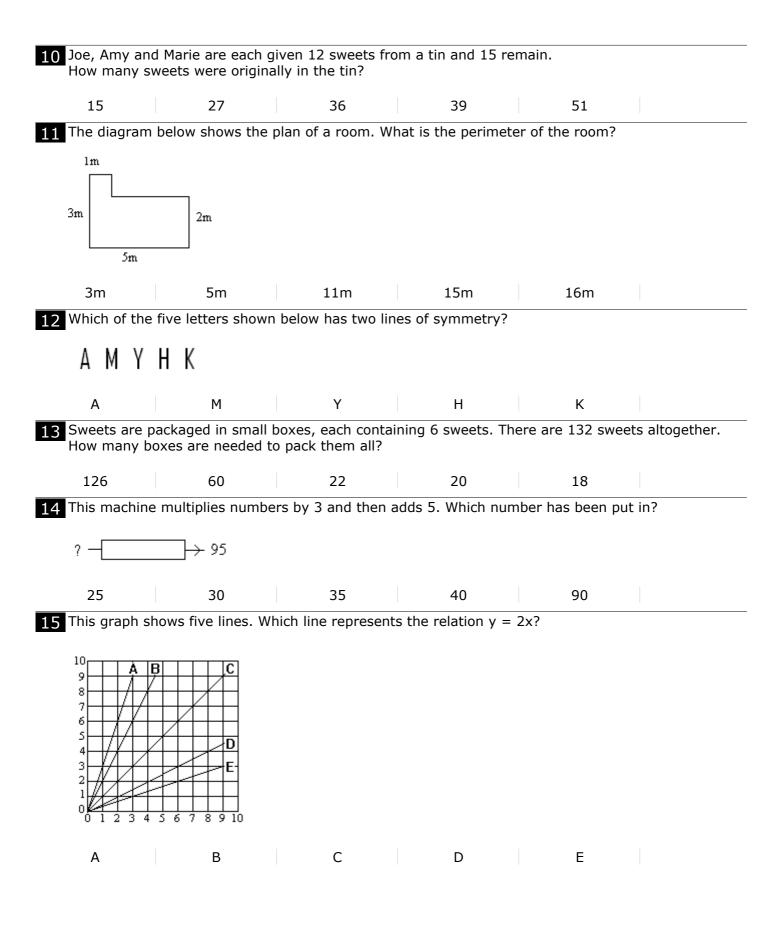
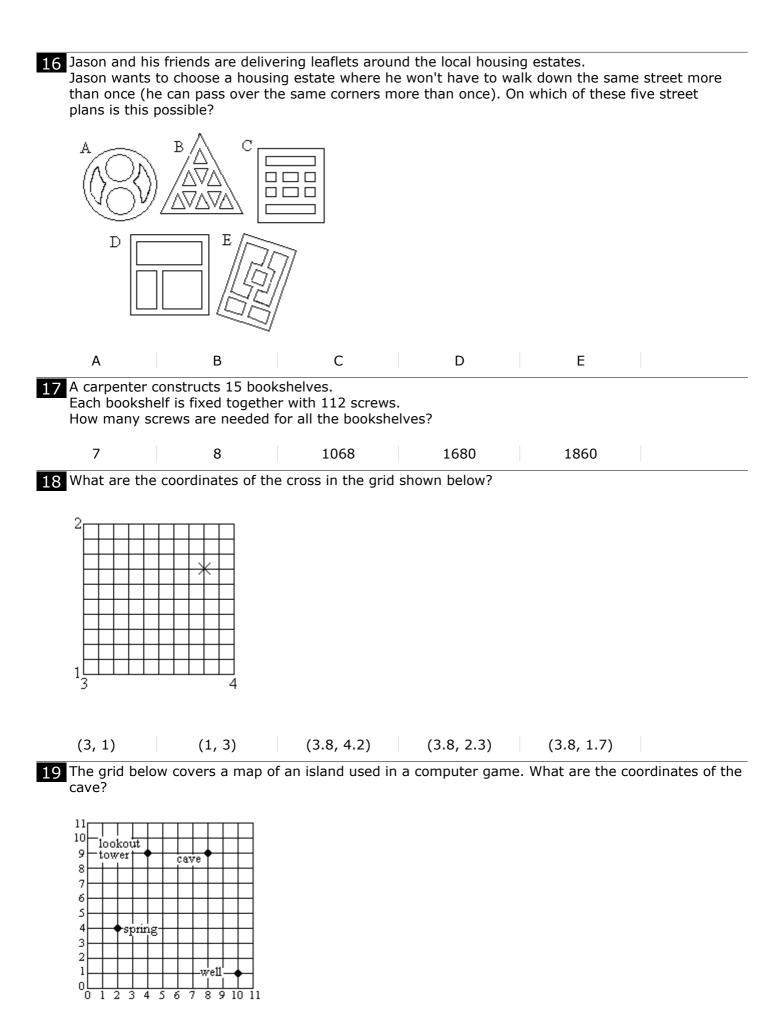
Chuckra 11+ Maths Test 1

1 The table below shows how many people own each type of pet. How many people own pet cats?

⊕ = 50 people	•				
Type of Pet					
Dog	9999				
Cat	0 0 0				
Rabbit	0 0				
Fish	© 0				
Other	⊕ ⊕				
4	50	150	300	2000	
There are 310 How many will		lane for London. Of don?	these, 185 people	are travelling be	eyond London.
25	115	125	175	215	
Which containe	er will hold arou	und half a litre?			
An egg cup	A teacup	A soft drinks can	A one pint milk bottle	A kettle	
away team. How many sup	·	980 people; 685 of am?	these support the	e nome team and	1 2/3 support th
22	122	295	412	707	
Which number	is divisible by	both 2 and 3?			
5	12	23	32	33	
Mrs Evan's gro piece.	cery bill came	to £52.15. She hand	ds over five £10 n	otes, two £1 coin	s and a 50p
How much cha	nge should she	e receive?			
25p	35p	45p	55p	65p	
Which is the hi	ghest tempera	ture?			
15	-3	0	5	-20	
Below are sets	of three numb	ers. Which set has o	only numbers that	are multiples of	3 or 4?
8, 9, 10	9, 10, 20	10, 12, 16	12, 18, 20	16, 21, 25	
	s the types of	nue contain 80 trees trees that can be fo he park?			
		ime			
Park Avenue	21 18 5 0	? 23			
		_			





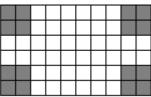
(8, 9) (0, 9) (8, 8)

(9, 8)

(9, 9)

A plan of a house uses a scale of 2cm to 3m. On the plan the living room is 3cm long. What is the real length of the living room?							
3cm		3m	4m	4.5m	6m		
Angie wants to program a robot to travel along the path shown in the picture. The robot can only move FORWARD, TURN RIGHT 90° and TURN LEFT 90°. What instructions will take the robot through the maze, (starting and finishing outside the maze, at the points labelled)?							
FORWARD 2 LEFT 90°, FORWARD 1 RIGHT 90° FORWARD 2 RIGHT 90°, FORWARD 3 LEFT 90°, FORWARD 3	L, FO , Ri 2, FO , Ri 2, FO L 3 FO Ri	RWARD 2, LEFT 90°, RWARD 1, IGHT 90°, RWARD 3, IGHT 90°, RWARD 2, LEFT 90°, DRWARD, IGHT 90°, DRWARD 3 LES are needed	FORWARD 2, LEFT 90°, FORWARD 1, LEFT 90°, FORWARD 2, LEFT 90°, FORWARD 1, LEFT 90°, FORWARD 2	FORWARD 2, RIGHT 90°, FORWARD 1, LEFT 90°, FORWARD 2, LEFT 90°, FORWARD 1, LEFT 90°, FORWARD 2	FORWARD 1, LEFT 90°, FORWARD 1, RIGHT 90°, FORWARD 2, LEFT 90°, FORWARD 1, RIGHT 90°, FORWARD 2		
16		20	24	40	64		
You multiply a number by itself. The answer is then multiplied by the number you started with. The answer is 125. What number did you start with?							
2		3	5	10	25		
4 8	12	g number in	the grid below?				
8 ?	16 6 20	-					
	0 20	J					
2		4	6	12	16		
25 Bananas	cost £1.5	2 per kilo. H	ow much will 1.2	kg cost?			
£1.52		£1.72	£1.82	£2.32	£2.72		

26 The piece of card is being measured with a ruler. What is the measurement shown on the ruler? 0.5 0.6 8.05 8.06 8.6 27 What percentage of this grid is shaded? 30% 32.5% 35% 37.5% 40% 28 Which number is closest in value to 2? 2.01 2.1 1.999 2.009 1.9 29 The pie chart shows the proportions of different drinks chosen from a machine in one day. There were 15 cartons of pineapple juice taken. How many cartons of orange juice were taken? Tropical blend 13% Orange Pineapple 11% Blackcurrant 28% Apple 15% 33 35 45 50 120 30 Each small square in the diagram is 2cm by 2cm. The shaded corners are cut out of this flat shape. It is then folded to make a small open box. What is the volume of the box?



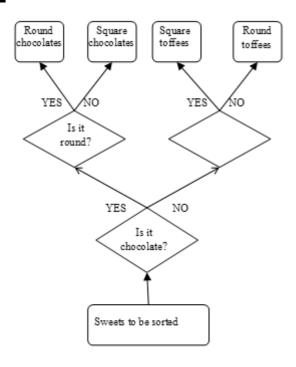
4cm³ 24cm³ 44cm³ 96cm³ 192cm³

8. 194	139				
8	8.0	8.1	8.17	8.2	
The diagram b What is the are	elow shows the ea of the floor?	e plan of a room.			
5m					
2m	ı				
4m					
17m ²	20m ²	22m ²	25m ²	120m ²	
e child travels Nactly 4 miles	10-14 15-19 20-24 Distance (miles) lo children trav more than 28 miles		Exactly 8 children travel between 10 and 14 miles	Exactly 6 children travel at least 9 miles	
<u> </u>		miles but less than 20 miles			
Find the value	of x if 3x + 5 =	than 20 miles = 20 - 3			
1	of x if 3x + 5 = 1.275	than 20 miles = 20 - 3	7.5	12.5	
1 Matthew's pare The table show The mean is 5	of x if 3x + 5 = 1.275 ents are record vs how many st and the media rs did he gain o	than 20 miles = 20 - 3 4 ing how many gold cars he gained on each is 4.	stars he earns at s	<u>'</u>	
1 Matthew's pare The table show The mean is 5	of x if 3x + 5 = 1.275 ents are record vs how many st and the media	than 20 miles = 20 - 3 4 ing how many gold cars he gained on each is 4.	stars he earns at s	<u>'</u>	
Matthew's pare The table show The mean is 5 How many sta Day Monday	of x if 3x + 5 = 1.275 ents are record vs how many st and the media rs did he gain of Number of Stars 9	than 20 miles = 20 - 3 4 ing how many gold cars he gained on each is 4.	stars he earns at s	<u>'</u>	
Matthew's pare The table show The mean is 5 How many sta	of x if 3x + 5 = 1.275 ents are record vs how many st and the media rs did he gain of Number of Stars 9 8	than 20 miles = 20 - 3 4 ing how many gold cars he gained on each is 4.	stars he earns at s	<u>'</u>	
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1 2 3 4 5

36 What is the perimeter of this shape?								
	Г	z						
		Ľ						
		У						
		х						
	24 1	24	VV V7	104	250.47	2x + 2y + 2z		
	2x +					2x + 2y + 22	X + y + Z	
37					nd Andrew. sits every seco	and day and Paul	l visits every third (dav.
	Both	Steve an	d Paul are a	at Andrew	's house toge	ther on the first of	day.	•
	How	many tim	es are both	of them	visiting him a	t the same time	in the 28 day perio	d?
	5		6		7	8	9	
38	Whic	h row of t	he table be	low show	s a prime, sau	lare and cube nu	ımber in the correc	t order?
50	1				o a po, eqe			
		Prime	Square	Cube]			
		Number		Number				
	a	13	25	9	_			
	ь	33	23 16	64 36	-			
	d	19	4	81	-			
	e	7	36	27	1			
					_			
	а		b		С	d	е	
39	Micha	ael has 3	pound coins	s, 1 fifty p	pence piece ar	id 2 twenty penc	e pieces in his pocl	ket. He picks a
	Michael has 3 pound coins, 1 fifty pence piece and 2 twenty pence pieces in his pocket. He picks a coin at random. In which of these are both statements true?							
Нα	ic cor	tain to	He has an	aven H	le has a less	He has a less	He has a more	
							ce than even chanc	
		than a	a pound coi	n. He of	picking a fifty	of picking a	of picking a	
			s certain to		nce piece. He	twenty pence		
pici	coir	pound n.	a fifty per piece.		nas an even Ince of picking	piece. He has a even chance o		
	00		piccoi		twenty pence	picking a poun		
					piece.	coin.	pence piece.	
40						d a CD for \$15.0		
			that the swi riced at \$12		£1.54 and the	CD cost £7.69.	How much would it	cost in pounds
	101 u	i Siliic pi	100α αι φ12					
	£6.0)5	£6.15		£6.25	£6.35	£6.45	
41	In 5	years tim	e, Leonie w	ill be x ye	ears old. How	old was she 6 ye	ars ago?	
	_	•	_					
	x -	6	x - 5		x + 6	x + 5 + 6	x - 5 - 6	
42	Th	201			2/3 26 4 15 2		s for the raffle. How	
	this?	e are 201	pupiis at a	school fe	te. 🥕 of the	em bought ticket	s for the raffle. How	w many pupils is
	30		60		67	134	167	
43	A sho	pping list	includes th	ne followir	ng items:			
							shrooms, peas and	potatoes.
	wnat	. percenta	ige of the it	ems on th	ie list begins v	with the letter B?		
	329	%	34%		36%	38%	40%	

The decision tree below is used for sorting sweets. What is missing from the empty shape?



45 What number is the arrow pointing to on the number line below?



4.8 4.9 4.88 5.18 5.19

46 This is the list of names of pupils in a class:

Aaron	Bryn	Callum	
Dafydd	Emma	Gerallt	
Isobel	Joanne	Kevin	
Morgan	Owen	Rowen	
Sam	Tahawar	Timmy	

If a pupil is chosen at random, what is the probability that their name ends in N?

100% 80% 60% 40% 20%

47 Steph is assembling gift bags for a party. She has 2 types of chocolate bars, 4 types of toys and 3 types of pens.

Which shows the number of possible combinations of chocolate bars, toys and pens in a bag?

2 + 4 + 3 $2 \times 4 \times 3$ $(2 \times 4) + (2 \times 3)(2 + 4) \times (4 + 3)(2 \times 3) + (3 \times 4)$

48 Which net below would make a cube where the two shaded sides are not next to each other? Α В С Ε D 49 John is 6ft tall. Which of the following is closest to his height in metres? 1.4m 1.6m 1.8m 2m 50 Which of the shapes below have rotational symmetry? A and C B and C B and E C and D A and E