

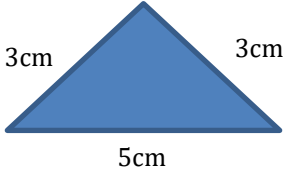

# Year 9

# Maths

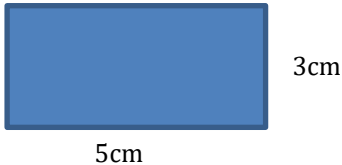

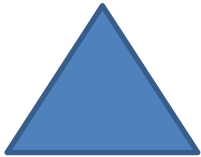


**ARENA**  
ACADEMY

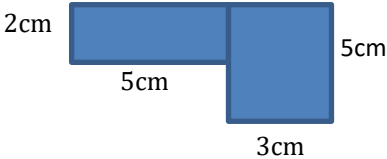
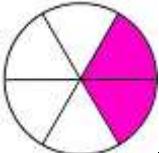

# Maths Set A

1	Work Out: $-8 - 3 =$	
2	Simplify: $a \times a \times a$	
3	Write this number correct to 2 decimal places: 18.25634	
4	Solve this equation: $5a + 3 = 23$	
5	Find the perimeter of this shape: 	
6	Change this fraction to a decimal: $\frac{3}{4}$	
7	Find the range of these numbers: 12, 5, 13, 15, 10, 9, 7, 11	
8	If $n=4$ , work out the value of: $5n - 6$	
9	Draw the lines of symmetry on the shape: 	
10	Calculate 35% of £350	

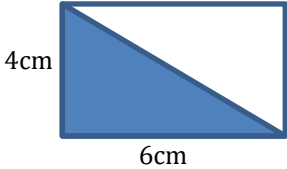

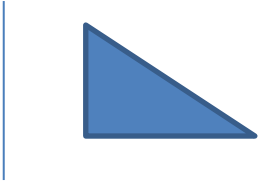
# Maths Set B

1	Work Out: $15 - -7$	
2	Simplify: $4a + 2a + 6b - 4b$	
3	Write this number to the nearest hundred: 4563	
4	Solve this equation: $6c - 5 = 13$	
5	Find the area of this shape: 	
6	What fraction of the shape is shaded? 	
7	Find the median of these numbers: 3, 9, 6, 2, 4, 5, 8	
8	If $a=7$ and $b=-2$ work out the value of: $2a + 4b$	
9	Draw the lines of symmetry on the shape: 	
10	Calculate 45% of £420	

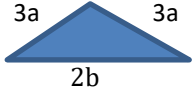
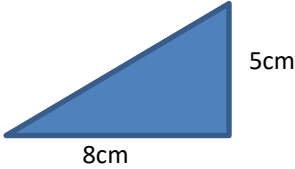
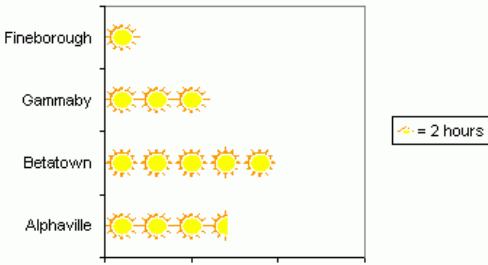
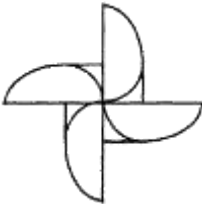
# Maths Set C

1	Work Out: $-5 \times 4$	
2	Simplify: $-4a + 2b - b + 4a$	
3	Write this number correct to 1 decimal place: 1.305	
4	If Albert is $a$ years old and Brenda is 5 years older than Albert, write an expression for Brenda's age.	
5	Find the total area of this shape: 	
6	What fraction of this shape is shaded: 	
7	Find the mean of these numbers: 3, 7, 5, 4, 6, 10, 7	
8	If $a = -2$ work out the value of: $5a + 15$	
9	Draw the lines of symmetry on the shape. 	
10	Calculate 55% of £160.	

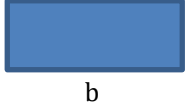
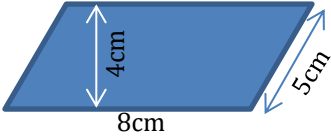


# Maths Set D

1	Work Out: $450 \div 9 =$											
2	Simplify: $6a + b + 2c - 5a - c + 7b$											
3	What is 6cm in mm?											
4	Fred is 6 years younger than Evie. Evie is 42. How old is Fred?											
5	Find the area of the shaded shape: 											
6	What fraction of this shape is shaded: 											
7	What is the modal score? <table border="1" data-bbox="316 1218 794 1296"> <tbody> <tr> <td>Score</td> <td>0</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td>Frequency</td> <td>6</td> <td>5</td> <td>0</td> <td>5</td> </tr> </tbody> </table>	Score	0	1	2	3	Frequency	6	5	0	5	
Score	0	1	2	3								
Frequency	6	5	0	5								
8	If $a=6$ work out the value of $3(a + 2)$											
9	Reflect the shape in the line: 											
10	Increase £40 by 30%											

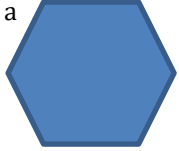
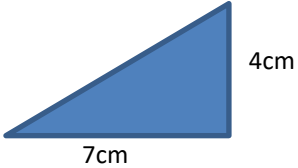

# Maths Set E

1	Work Out: $3600 \div 4$	
2	Write an expression for the perimeter of this shape: 	
3	What is 6500m in km?	
4	It takes me 20 minutes to walk home. I set off at 3.50pm. What time do I get home?	
5	Find the area of the shape: 	
6	What is $\frac{3}{5}$ as a percentage	
7	How many more hours of sunshine did Betatown get than Alphaville? <b>Mean Hours Of Sunshine In June</b> 	
8	If $p=4$ work out the value of: $5(p - 2)$	
9	What is the order of rotational symmetry of the shape? 	
10	Decrease £50 by 15%	

# Maths Set F

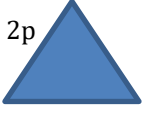
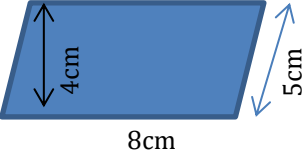
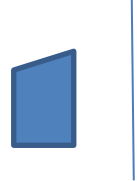
1	Work Out: $5+6 \times 2$	
2	Write an expression for the perimeter of this shape: 	
3	What is 12m in cm?	
4	It takes me 3 hours to drive 120miles. What speed was I driving at in miles per hour?	
5	Find the area of the shape: 	
6	What is 0.85 as a fraction?	
7	 What fraction of people travel by car?	
8	If $p=-6$ work out the value of: $5(p +11)$	
9	What is the order of rotational symmetry of the shape? 	
10	Increase £300 by 25%	

# Maths Set G

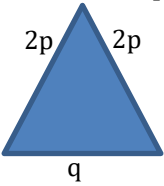
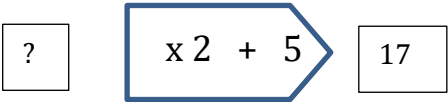
1	Work Out: $24 \times 13$	
2	Write an expression for the perimeter of this <b>regular</b> shape: 	
3	What is 3.5m in cm?	
4	It takes me 2 hours to drive home. I set off at <i>11.45am</i> . What time do I get home?	
5	Find the area of the shape: 	
6	What is 0.82 as a percentage	
7	Write down all of the factors of 48.	
8	If $p=3$ work out the value of $5(2p - 4)$	
9	What is the order of rotational symmetry of the shape? 	
10	What is 35% of 270?	



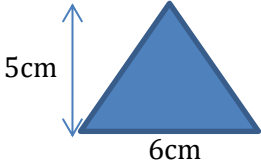
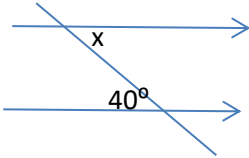
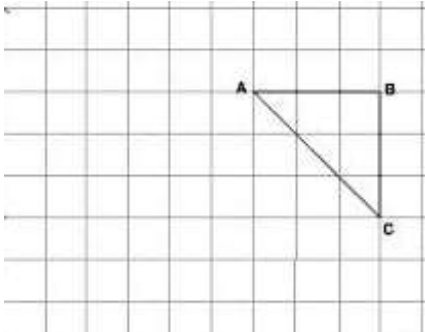
# Maths Set H

1	Work Out: $360 \div 12$	
2	Write an expression for the perimeter of this regular shape: 	
3	What is 2 litres in ml?	
4	Put in order of size smallest first: 0.4, 0.04, 0.45, 0.458, 0.05	
5	Find the area of the shape: 	
6	What is 0.43 as a percentage.	
7	Write down the factors of 72.	
8	Calculate: $-5 + 11 - 2$	
9	Reflect this shape in the line given 	
10	What is 63% of 240?	

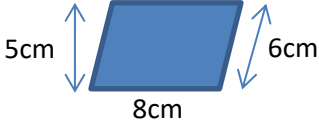
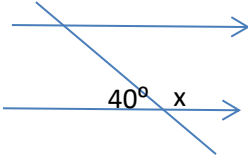
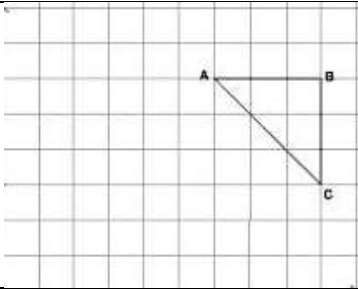
# Maths Set I

1	If: $34 \times 8 = 272$ What is: $340 \times 80 = ?$	
2	Write an expression for the perimeter of this shape: 	
3	What is 4kg in grams?	
4	$\frac{1}{2} = \frac{?}{8}$	
5	What number goes into this function machine if 17 comes out? 	
6	What is 7% as a decimal?	
7	Write down the first 4 multiples of 12:	
8	Calculate $-5 \times 3$	
9	What is $\frac{4}{5}$ as a percentage?	
10	What is 11% of 360?	

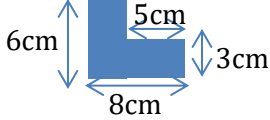
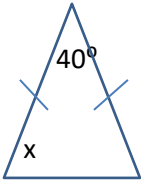
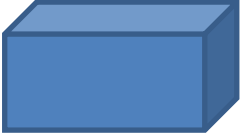


# Maths Set J

1	<p>If <math>34 \times 8 = 272</math>            What is <math>3.4 \times 8</math> ?</p>	
2	<p>What is the area of this shape?</p> 	
3	<p>What is the size of angle x? Give reasons.</p> 	
4	$\frac{1}{4} + \frac{3}{6} =$	
5	<p>Which of the following are square numbers?            50, 25, 9, 20, 8</p>	
6	<p>What is 34.5% as a decimal?</p>	
7	<p>What is the median of these numbers?            7, 4, 2, 9, 8, 3, 7, 7, 4</p>	
8	<p>Calculate:  <math>-5 - 3</math></p>	
9	<p>Enlarge this shape scale factor 2</p> 	
10	<p>Increase £40 by 15%?</p>	

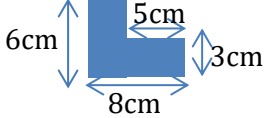
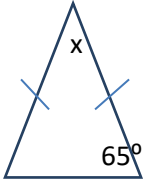
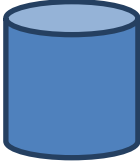


# Maths Set K

1	Work Out: $32 \times 16 =$	
2	What is the area of this shape? 	
3	What is the size of angle x? 	
4	$\frac{1}{4} = \frac{4}{?}$	
5	Which of these are square numbers? 8, 4, 10, 9, 16, 20	
6	What is 9% as a fraction?	
7	What is the mean of these numbers? 3, 5, 7, 4, 6	
8	Calculate: $-5 + 8$	
9	Rotate this shape $90^{\circ}$ clockwise centre A: 	
10	Decrease £50 by 15%?	

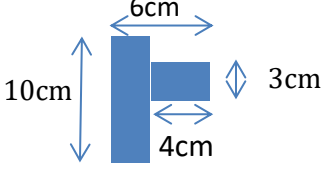
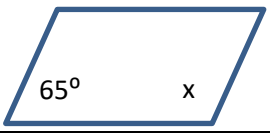
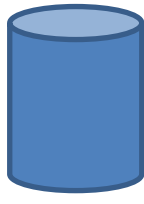

# Maths Set L

1	$0.34 + 1.05$	
2	What is the area of this shape? 	
3	What is the size of angle x? 	
4	$\frac{1}{4} + \frac{2}{9}$	
5	Which of these are prime numbers? 6, 5, 9, 7, 2, 3, 4, 1	
6	What is 3% as a decimal?	
7	What is the range of these numbers? 3, 5, 7, 4, 6	
8	Calculate: $23 \times 14 =$	
9	Sketch the net of this shape 	
10	What is the sale price?   £87	

# Maths Set M

1	1.34 - 0.05	
2	<p>What is the perimeter of this shape?</p> 	
3	<p>What is the size of angle x?</p> 	
4	$\frac{1}{5} \div \frac{2}{3}$	
5	<p>Which of these are prime numbers?</p> <p>11, 1, 13, 21, 25, 9, 23, 2</p>	
6	What is $\frac{40}{200}$ as a percentage?	
7	<p>What is the next number in the sequence?</p> <p>1, 2, 4, 7, 11 ...</p>	
8	<p>Calculate:</p> <p><math>7 - 10 + 3 =</math></p>	
9	<p>Sketch the plan view of this shape:</p> 	
10	<p>What is the sale price?</p>  	

# Maths Set N

1	What is 4.352 to 1 decimal place?	
2	What is the area of this shape? 	
3	What is the size of angle x in this parallelogram? 	
4	$\frac{3}{8} + \frac{1}{4}$	
5	Which of these are factors of 18? 18, 36, 2, 8, 9, 4	
6	What is $\frac{60}{300}$ as a percentage?	
7	What is the missing number in the sequence? 4, ? 10, 13, 16	
8	Put the brackets in the right place $5 \times 3 + 4 = 35$	
9	Sketch the front elevation of this shape 	
10	What is the sale price? 	

## Maths Sheet 1

Question	
1	Find $\frac{1}{4}$ of 44.
2	Find $\frac{1}{3}$ of 18.
3	Find $\frac{1}{3}$ of 27.
4	What is $15^2$ ?
5	What is $2^3$ ?
6	$0.7 \times 5 =$
7	$0.6 \times 6 =$
8	$5.9 + 9.6 =$
9	$4.3 + 3.9 =$
10	Find $\frac{3}{7}$ of 21.
11	Find $\frac{4}{7}$ of 77.
12	Write the test score 11 out of 25 as a percentage.
13	Write the test score 2 out of 25 as a percentage.
14	Work out 30% of 10.
15	Work out 70% of 20.
16	What is $4a + 2b + 2a - 5b$ ?
17	What is $2a + 2b + 4a - 2b$ ?
18	If $k = 8$ , what is the value of $6k + 3$ ?
19	If $k = 6$ , what is the value of $3k + 5$ ?
20	I double a number and then subtract 4. The answer is 6. What was my number?
21	I halve a number and then subtract 4. The answer is -2.5. What was my number?
22	Work out 45% of 60.
23	Work out 65% of 140.
24	Two angles of a triangle are $50^\circ$ and $30^\circ$ , how big is the third angle?
25	Two angles of a triangle are $60^\circ$ and $50^\circ$ , how big is the third angle?
26	$0.2 + 0.31 =$
27	$0.3 + 0.5 =$
28	$29.9 - 7.1 =$
29	$3.7 - 6.1 =$
30	Find $\frac{3}{8}$ of 40.
31	Find $\frac{4}{7}$ of 63.



32	Solve the equation $6x = 48$
33	Solve the equation $7x = 42$
34	Solve the equation $8x + 10 = 50$
35	Solve the equation $3x + 3 = 39$
36	If $T = 3p - 3$ and $p = 3$ , what does $T$ equal?
37	If $T = 4p - 3$ and $p = 5$ , what does $T$ equal?
38	$0.1 + 0.33 + 0.8 =$
39	$0.1 + 0.19 + 0.9 =$
40	What is $14^{-2}$ ?
41	What is $45^0$ ?
42	What is $10^1$ ?
43	$\frac{1}{4} + \frac{5}{8} =$
44	$\frac{1}{4} + \frac{2}{9} =$
45	$\frac{1}{5} + \frac{7}{8} =$
46	If I buy $m$ packets of sweets with 25 in each packet, how many sweets have I bought?
47	If I buy $m$ packets of sweets with 15 in each packet, how many sweets have I bought?
48	$\frac{6}{7} - \frac{1}{2} =$
49	$\frac{5}{9} - \frac{1}{5} =$
50	$\frac{5}{6} - \frac{1}{4} =$

## Maths Sheet 2

Question	
1	Find $\frac{1}{2}$ of 18.
2	Find $\frac{1}{8}$ of 96.
3	Find $\frac{1}{5}$ of 60.
4	What is $4^3$ ?
5	What is $8^2$ ?
6	$0.7 \times 10 =$
7	$0.5 \times 10 =$
8	$9.1 + 9.8 =$
9	$8.7 + 5.3 =$
10	Find $\frac{4}{5}$ of 30.
11	Find $\frac{2}{7}$ of 42.
12	Write the test score 9 out of 10 as a percentage.
13	Write the test score 3 out of 25 as a percentage.
14	Work out 90% of 40.
15	Work out 60% of 30.
16	What is $4a + 5b + 5a - 4b$ ?
17	What is $5a + 2b + 3a - 4b$ ?
18	If $k = 7$ , what is the value of $7k + 8$ ?
19	If $k = 5$ , what is the value of $9k + 4$ ?
20	I halve a number and then add 9. The answer is 12. What was my number?
21	I triple a number and then subtract 11. The answer is 13. What was my number?
22	Work out 55% of 140.
23	Work out 65% of 180.
24	Two angles of a triangle are $90^\circ$ and $50^\circ$ , how big is the third angle?
25	Two angles of a triangle are $90^\circ$ and $60^\circ$ , how big is the third angle?
26	$0.3 + 0.06 =$
27	$0.5 + 0.25 =$
28	$21.8 - 6.7 =$
29	$5.3 - 10 =$
30	Find $\frac{3}{8}$ of 72.
31	Find $\frac{3}{7}$ of 56.

32	Solve the equation $11x = 66$
33	Solve the equation $9x = 36$
34	Solve the equation $6x + 4 = 46$
35	Solve the equation $5x + 7 = 47$
36	If $T = 3p - 3$ and $p = 6$ , what does $T$ equal?
37	If $T = 4p - 5$ and $p = 6$ , what does $T$ equal?
38	$0.2 + 0.08 + 1 =$
39	$0.2 + 0.27 + 0.8 =$
40	What is $6^{-2}$ ?
41	What is $15^0$ ?
42	What is $15^1$ ?
43	$\frac{1}{3} + \frac{2}{9} =$
44	$\frac{1}{5} + \frac{5}{8} =$
45	$\frac{1}{5} + \frac{7}{9} =$
46	If I buy $p$ packets of sweets with 25 in each packet, how many sweets have I bought?
47	If I buy $m$ packets of sweets with 50 in each packet, how many sweets have I bought?
48	$\frac{5}{8} - \frac{1}{5} =$
49	$\frac{5}{7} - \frac{1}{4} =$
50	$\frac{5}{9} - \frac{1}{4} =$

### Maths Sheet 3

Question	
1	Find $\frac{1}{7}$ of 70.
2	Find $\frac{1}{6}$ of 54.
3	Find $\frac{1}{9}$ of 108.
4	What is $13^2$ ?
5	What is $6^2$ ?
6	$0.8 \times 6 =$
7	$0.8 \times 10 =$
8	$4.5 + 2 =$
9	$7.4 + 4.2 =$
10	Find $\frac{2}{3}$ of 21.
11	Find $\frac{2}{5}$ of 35.
12	Write the test score 6 out of 20 as a percentage.
13	Write the test score 18 out of 25 as a percentage.
14	Work out 5% of 50.
15	Work out 20% of 60.
16	What is $3a + 5b + 2a - 4b$ ?
17	What is $2a + 5b + 4a - 4b$ ?
18	If $k = 7$ , what is the value of $7k + 8$ ?
19	If $k = 8$ , what is the value of $4k + 6$ ?
20	I double a number and then add 5. The answer is 21. What was my number?
21	I halve a number and then subtract 9. The answer is -7. What was my number?
22	Work out 35% of 140.
23	Work out 85% of 140.
24	Two angles of a triangle are $30^\circ$ and $120^\circ$ , how big is the third angle?
25	Two angles of a triangle are $60^\circ$ and $20^\circ$ , how big is the third angle?
26	$0.4 + 0.24 =$
27	$0.4 + 0.46 =$
28	$3.2 - 9.2 =$
29	$13.1 - 1.1 =$
30	Find $\frac{3}{8}$ of 64.
31	Find $\frac{5}{9}$ of 99.

32	Solve the equation $4x = 24$
33	Solve the equation $12x = 48$
34	Solve the equation $9x + 6 = 33$
35	Solve the equation $7x + 7 = 70$
36	If $T = 4p - 3$ and $p = 3$ , what does $T$ equal?
37	If $T = 5p - 4$ and $p = 6$ , what does $T$ equal?
38	$0.5 + 0.27 + 0.8 =$
39	$0.3 + 0.43 + 0.9 =$
40	What is $13^{-2}$ ?
41	What is $48^0$ ?
42	What is $28^1$ ?
43	$13 + \frac{5}{6} =$
44	$\frac{1}{2} + \frac{5}{9} =$
45	$\frac{1}{3} + \frac{4}{9} =$
46	If I buy $k$ packets of sweets with 50 in each packet, how many sweets have I bought?
47	If I buy $n$ packets of sweets with 20 in each packet, how many sweets have I bought?
48	$\frac{8}{9} - \frac{1}{3} =$
49	$\frac{7}{8} - \frac{1}{5} =$
50	$\frac{5}{6} - \frac{1}{3} =$

### Maths Sheet 4

Question	
1	Find $\frac{1}{8}$ of 24.
2	Find $\frac{1}{9}$ of 81.
3	Find $\frac{1}{3}$ of 24.
4	What is $9^2$ ?
5	What is $12^2$ ?
6	$0.9 \times 9 =$
7	$0.6 \times 11 =$
8	$3 + 1.8 =$
9	$4.6 + 3.3 =$
10	Find $\frac{2}{5}$ of 35.
11	Find $\frac{5}{6}$ of 72.
12	Write the test score 21 out of 25 as a percentage.
13	Write the test score 18 out of 25 as a percentage.
14	Work out 40% of 90.
15	Work out 80% of 70.
16	What is $2a + 3b + 5a - 5b$ ?
17	What is $4a + 4b + 5a - 3b$ ?
18	If $k = 6$ , what is the value of $5k + 6$ ?
19	If $k = 9$ , what is the value of $7k + 9$ ?
20	I double a number and then subtract 9. The answer is -3. What was my number?
21	I triple a number and then subtract 4. The answer is 32. What was my number?
22	Work out 8% of 60.
23	Work out 45% of 100.
24	Two angles of a triangle are $80^\circ$ and $70^\circ$ , how big is the third angle?
25	Two angles of a triangle are $70^\circ$ and $80^\circ$ , how big is the third angle?
26	$0.2 + 0.11 =$
27	$0.4 + 0.46 =$
28	$22.7 - 8.3 =$
29	$15.7 - 7.7 =$
30	Find $\frac{3}{7}$ of 84.
31	Find $\frac{3}{7}$ of 63.

32	Solve the equation $8x = 96$
33	Solve the equation $9x = 27$
34	Solve the equation $7x + 11 = 95$
35	Solve the equation $7x + 11 = 39$
36	If $T = 4p - 5$ and $p = 6$ , what does $T$ equal?
37	If $T = 5p - 4$ and $p = 6$ , what does $T$ equal?
38	$0.4 + 0.49 + 0.8 =$
39	$0.5 + 0.45 + 0.6 =$
40	What is $12^{-2}$ ?
41	What is $50^0$ ?
42	What is $35^1$ ?
43	$\frac{1}{3} + \frac{5}{9} =$
44	$\frac{1}{4} + \frac{5}{7} =$
45	$\frac{1}{2} + \frac{7}{8} =$
46	If I buy $k$ packets of sweets with 45 in each packet, how many sweets have I bought?
47	If I buy $p$ packets of sweets with 45 in each packet, how many sweets have I bought?
48	$\frac{5}{8} - \frac{1}{2} =$
49	$\frac{5}{8} - \frac{1}{4} =$
50	$\frac{5}{6} - \frac{1}{2} =$

## Maths Sheet 5

Question	
1	Find $\frac{1}{7}$ of 63.
2	Find $\frac{1}{4}$ of 16.
3	Find $\frac{1}{9}$ of 45.
4	What is $3^3$ ?
5	What is $12^2$ ?
6	$0.7 \times 8 =$
7	$0.9 \times 4 =$
8	$4.3 + 10 =$
9	$9.6 + 4.3 =$
10	Find $\frac{2}{3}$ of 12.
11	Find $\frac{3}{5}$ of 50.
12	Write the test score 16 out of 20 as a percentage.
13	Write the test score 14 out of 50 as a percentage.
14	Work out 30% of 40.
15	Work out 70% of 80.
16	What is $3a + 3b + 4a - 5b$ ?
17	What is $4a + 3b + 3a - 2b$ ?
18	If $k = 5$ , what is the value of $4k + 6$ ?
19	If $k = 10$ , what is the value of $3k + 7$ ?
20	I halve a number and then add 5. The answer is 10.5. What was my number?
21	I triple a number and then subtract 6. The answer is 18. What was my number?
22	Work out 65% of 140.
23	Work out 55% of 140.
24	Two angles of a triangle are $90^\circ$ and $40^\circ$ , how big is the third angle?
25	Two angles of a triangle are $60^\circ$ and $100^\circ$ , how big is the third angle?
26	$0.3 + 0.32 =$
27	$0.1 + 0.22 =$
28	$0.9 - 4.2 =$
29	$17.2 - 2.5 =$
30	Find $\frac{4}{7}$ of 70.
31	Find $\frac{4}{9}$ of 45.



32	Solve the equation $4x = 40$
33	Solve the equation $6x = 24$
34	Solve the equation $5x + 3 = 33$
35	Solve the equation $12x + 9 = 81$
36	If $T = 2p - 3$ and $p = 5$ , what does $T$ equal?
37	If $T = 2p - 7$ and $p = 4$ , what does $T$ equal?
38	$0.5 + 0.31 + 0.6 =$
39	$0.5 + 0.06 + 0.6 =$
40	What is $12^{-2}$ ?
41	What is $15^0$ ?
42	What is $34^1$ ?
43	$\frac{1}{4} + \frac{2}{7} =$
44	$\frac{1}{4} + \frac{8}{9} =$
45	$\frac{1}{2} + \frac{2}{9} =$
46	If I buy $x$ packets of sweets with 40 in each packet, how many sweets have I bought?
47	If I buy $q$ packets of sweets with 10 in each packet, how many sweets have I bought?
48	$\frac{8}{9} - \frac{1}{3} =$
49	$\frac{7}{8} - \frac{1}{5} =$
50	$\frac{5}{9} - \frac{1}{3} =$

## Maths Sheet 6

Question	
1	Find $\frac{1}{4}$ of 20.
2	Find $\frac{1}{3}$ of 15.
3	Find $\frac{1}{4}$ of 12.
4	What is $8^2$ ?
5	What is $8^2$ ?
6	$0.6 \times 12 =$
7	$0.5 \times 3 =$
8	$4.4 + 8.3 =$
9	$4.4 + 3.9 =$
10	Find $\frac{2}{7}$ of 28.
11	Find $\frac{5}{6}$ of 60.
12	Write the test score 11 out of 20 as a percentage.
13	Write the test score 17 out of 20 as a percentage.
14	Work out 90% of 90.
15	Work out 80% of 100.
16	What is $2a + 3b + 3a - 2b$ ?
17	What is $4a + 2b + 5a - 5b$ ?
18	If $k = 5$ , what is the value of $4k + 6$ ?
19	If $k = 4$ , what is the value of $7k + 4$ ?
20	I halve a number and then add 5. The answer is 9.5. What was my number?
21	I triple a number and then subtract 7. The answer is 5. What was my number?
22	Work out 45% of 120.
23	Work out 45% of 180.
24	Two angles of a triangle are $30^\circ$ and $110^\circ$ , how big is the third angle?
25	Two angles of a triangle are $60^\circ$ and $50^\circ$ , how big is the third angle?
26	$0.5 + 0.45 =$
27	$0.2 + 0.04 =$
28	$18.6 - 9.1 =$
29	$10.1 - 5.6 =$
30	Find $\frac{3}{7}$ of 21.
31	Find $\frac{4}{7}$ of 42.

32	Solve the equation $8x = 56$
33	Solve the equation $6x = 60$
34	Solve the equation $12x + 3 = 123$
35	Solve the equation $4x + 4 = 40$
36	If $T = 5p - 7$ and $p = 6$ , what does $T$ equal?
37	If $T = 2p - 3$ and $p = 4$ , what does $T$ equal?
38	$0.3 + 0.28 + 0.9 =$
39	$0.1 + 0.41 + 0.7 =$
40	What is $7^{-2}$ ?
41	What is $3^0$ ?
42	What is $7^1$ ?
43	$\frac{1}{5} + \frac{4}{9} =$
44	$\frac{1}{5} + \frac{5}{8} =$
45	$\frac{1}{2} + \frac{3}{7} =$
46	If I buy $m$ packets of sweets with 50 in each packet, how many sweets have I bought?
47	If I buy $q$ packets of sweets with 5 in each packet, how many sweets have I bought?
48	$\frac{5}{7} - \frac{1}{5} =$
49	$\frac{5}{8} - \frac{1}{2} =$
50	$\frac{5}{6} - \frac{1}{2} =$

## Maths Sheet 7

Question	
1	Find $\frac{1}{4}$ of 28.
2	Find $\frac{1}{6}$ of 72.
3	Find $\frac{1}{5}$ of 45.
4	What is $5^3$ ?
5	What is $11^2$ ?
6	$0.6 \times 12 =$
7	$0.4 \times 10 =$
8	$2.4 + 7.3 =$
9	$8.6 + 2.7 =$
10	Find $\frac{4}{7}$ of 49.
11	Find $\frac{3}{5}$ of 30.
12	Write the test score 17 out of 20 as a percentage.
13	Write the test score 43 out of 50 as a percentage.
14	Work out 40% of 80.
15	Work out 40% of 70.
16	What is $3a + 5b + 5a - 4b$ ?
17	What is $3a + 3b + 3a - 5b$ ?
18	If $k = 6$ , what is the value of $6k + 5$ ?
19	If $k = 3$ , what is the value of $9k + 10$ ?
20	I double a number and then subtract 4. The answer is 2. What was my number?
21	I triple a number and then subtract 3. The answer is 24. What was my number?
22	Work out 8% of 60.
23	Work out 65% of 180.
24	Two angles of a triangle are $80^\circ$ and $40^\circ$ , how big is the third angle?
25	Two angles of a triangle are $30^\circ$ and $100^\circ$ , how big is the third angle?
26	$0.5 + 0.2 =$
27	$0.5 + 0.11 =$
28	$9.4 - 1 =$
29	$3.7 - 2.1 =$
30	Find $\frac{4}{7}$ of 70.
31	Find $\frac{4}{7}$ of 42.

32	Solve the equation $7x = 70$
33	Solve the equation $4x = 48$
34	Solve the equation $4x + 12 = 56$
35	Solve the equation $9x + 3 = 57$
36	If $T = 4p - 5$ and $p = 5$ , what does $T$ equal?
37	If $T = 5p - 4$ and $p = 4$ , what does $T$ equal?
38	$0.1 + 0.37 + 0.7 =$
39	$0.4 + 0.4 + 0.7 =$
40	What is $15^{-2}$ ?
41	What is $5^0$ ?
42	What is $13^1$ ?
43	$\frac{1}{5} + \frac{7}{9} =$
44	$\frac{1}{5} + \frac{8}{9} =$
45	$\frac{1}{3} + \frac{4}{7} =$
46	If I buy $m$ packets of sweets with 50 in each packet, how many sweets have I bought?
47	If I buy $q$ packets of sweets with 30 in each packet, how many sweets have I bought?
48	$\frac{5}{8} - \frac{1}{4} =$
49	$\frac{5}{6} - \frac{1}{3} =$
50	$\frac{5}{7} - \frac{1}{5} =$

## Maths Sheet 8

Question	
1	Find $\frac{1}{6}$ of 42.
2	Find $\frac{1}{8}$ of 48.
3	Find $\frac{1}{5}$ of 35.
4	What is $13^2$ ?
5	What is $6^2$ ?
6	$0.8 \times 4 =$
7	$0.7 \times 8 =$
8	$9.5 + 5.7 =$
9	$8.1 + 7.5 =$
10	Find $\frac{2}{7}$ of 77.
11	Find $\frac{5}{6}$ of 30.
12	Write the test score 9 out of 20 as a percentage.
13	Write the test score 48 out of 50 as a percentage.
14	Work out 5% of 10.
15	Work out 70% of 90.
16	What is $5a + 2b + 5a - 3b$ ?
17	What is $5a + 5b + 4a - 5b$ ?
18	If $k = 3$ , what is the value of $9k + 7$ ?
19	If $k = 6$ , what is the value of $4k + 7$ ?
20	I double a number and then subtract 7. The answer is 15. What was my number?
21	I halve a number and then subtract 11. The answer is -8.5. What was my number?
22	Work out 55% of 180.
23	Work out 15% of 80.
24	Two angles of a triangle are $30^\circ$ and $110^\circ$ , how big is the third angle?
25	Two angles of a triangle are $50^\circ$ and $30^\circ$ , how big is the third angle?
26	$0.2 + 0.11 =$
27	$0.2 + 0.11 =$
28	$25.5 - 1.8 =$
29	$12.3 - 2.5 =$
30	Find $\frac{4}{7}$ of 56.
31	Find $\frac{5}{8}$ of 32.

32	Solve the equation $12x = 48$
33	Solve the equation $8x = 56$
34	Solve the equation $6x + 4 = 40$
35	Solve the equation $3x + 9 = 21$
36	If $T = 2p - 4$ and $p = 5$ , what does $T$ equal?
37	If $T = 2p - 7$ and $p = 6$ , what does $T$ equal?
38	$0.3 + 0.03 + 0.8 =$
39	$0.2 + 0.05 + 0.9 =$
40	What is $9^{-2}$ ?
41	What is $7^0$ ?
42	What is $25^1$ ?
43	$13 + \frac{2}{7} =$
44	$\frac{1}{3} + \frac{7}{9} =$
45	$\frac{1}{3} + \frac{4}{7} =$
46	If I buy $q$ packets of sweets with 30 in each packet, how many sweets have I bought?
47	If I buy $x$ packets of sweets with 20 in each packet, how many sweets have I bought?
48	$\frac{4}{7} - \frac{1}{3} =$
49	$\frac{5}{9} - \frac{1}{3} =$
50	$\frac{6}{7} - \frac{1}{5} =$

## Maths Sheet 9

Question	
1	Find $\frac{2}{7}$ of 126.
2	Find $\frac{3}{5}$ of 235.
3	Find $\frac{1}{9}$ of 117.
4	What is $10^3$ ?
5	What is $13^2$ ?
6	$0.2 \times 0.3 =$
7	$0.3 \times 0.8 =$
8	$9.4 + 5.9 =$
9	$9.9 + 4.8 =$
10	Find $\frac{5}{6}$ of 240.
11	Find $\frac{5}{8}$ of 96.
12	Write the test score 47 out of 50 as a percentage.
13	Write the test score 5 out of 25 as a percentage.
14	Work out 35% of 40.
15	Work out 41% of 600.
16	A triangle has a height of 10cm and base of 4cm, what is its area?
17	A rectangle has a length of 8cm and a width of 6cm. what is its perimeter
18	If $k = -3$ , what is the value of $4k + 3$ ?
19	If $k = -9$ , what is the value of $3k + 5$ ?
20	List all of the factors of 18
21	List the first 5 multiples of 20
22	What are the first 5 prime numbers.
23	$432 \times 27$
24	$157/10$
25	$9823/100$
26	$0.52 \times 10$
27	Divide 70 in the ratio 3:4
28	$2.7 - 7.4 =$
29	What is the formula to find the area of a circle?
30	What is the square root of 64?



31	Round 19.25 to one decimal place
32	Round 234 to two significant figures
33	Solve the equation $10x = -90$
34	Solve the equation $3x + 7 = 31$
35	Solve the equation $6x + 3 = 51$
36	If $T = 2p - 6$ and $p = 3$ , what does T equal?
37	If $T = 4p - 5$ and $T = 7$ , what does P equal?
38	What is $8^{-2}$ ?
39	What is $18^0$ ?
40	What is $21^1$ ?
41	$\frac{1}{4} + \frac{7}{8} =$
42	$\frac{1}{3} + \frac{5}{9} =$
43	$\frac{1}{2} + \frac{5}{7} =$
44	What is $3^4$
45	What is $2^5$
46	$\frac{5}{6} - \frac{1}{2} =$
47	$\frac{4}{7} - \frac{1}{4} =$
48	$\frac{5}{9} - \frac{1}{4} =$
49	Factorise $3x + 6$
50	Factorise $x^2 + 3x + 2$

### **Maths Sheet 10**

Question	
1	Find $\frac{1}{7}$ of 70.
2	Find $\frac{1}{7}$ of 77.
3	Find $\frac{1}{5}$ of 35.
4	What is $13^2$ ?
5	What is $4^3$ ?
6	$0.3 \times 0.9 =$
7	$0.08 \times 7 =$
8	$6.7 + 1.42 =$
9	$3.08 + 6.1 =$
10	Find $\frac{3}{5}$ of 665.
11	Find $\frac{5}{6}$ of 72.
12	Write the test score 15 out of 25 as a percentage.
13	Write the test score 14 out of 35 as a percentage.
14	Work out 5% of 25.
15	Work out 30% of 11.
16	What is $2a + 4b - 5a - 2b$ ?
17	What is $5a - 4b + 2a - 3b$ ?
18	If $k = 15$ , what is the value of $6k + 13$ ?
19	If $k = 8$ , what is the value of $12k + 18$ ?
20	I halve a number and then add 10. The answer is 15. What was my number?
21	I halve a number and then subtract 5. The answer is -3.5. What was my number?
22	Work out 45% of 130.
23	Work out 35% of 80.
24	Three angles of a quadrilateral are $30^\circ$ , $100^\circ$ and $80^\circ$ , how big is the fourth angle?
25	Two angles of a triangle are $48^\circ$ and $83^\circ$ , how big is the third angle?
26	$0.5 + 0.26 =$
27	$0.4 + 0.47 =$
28	$13.9 - 3.72 =$
29	$13.8 - 4.9 =$

30	Find $\frac{5}{9}$ of 108.
31	Find $\frac{3}{7}$ of 91.
32	Solve the equation $8x = 96$
33	Solve the equation $12x = 156$
34	Solve the equation $11x + 10 = 87$
35	Solve the equation $4x + 9 = 25$
36	If $T = 12p - 17$ and $p = 9$ , what does T equal?
37	If $T = 15p - 13$ and $p = 7$ , what does T equal?
38	$0.12 + 0.45 + 0.241 =$
39	$0.4 + 0.27 + 1.289 =$
40	What is $5^{-2}$ ?
41	What is $14^0$ ?
42	What is $14^1$ ?
43	$\frac{1}{3} + \frac{6}{7} =$
44	$\frac{1}{5} + \frac{5}{6} =$
45	$\frac{1}{2} + \frac{3}{8} =$
46	If I buy n packets of sweets with 25 in each packet, how many sweets have I bought?
47	If I buy m packets of sweets with 15 in each packet, how many sweets have I bought?
48	$\frac{5}{8} - \frac{1}{4} =$
49	$\frac{6}{7} - \frac{1}{2} =$
50	$\frac{4}{7} - \frac{1}{4} =$

### **Maths Sheet 11**

Question	
1	Find $\frac{1}{8}$ of 56.
2	Find $\frac{1}{4}$ of 36.
3	Find $\frac{1}{5}$ of 60.
4	What is $11^2$ ?
5	What is $10^2$ ?
6	$0.9 \times 11 =$
7	$0.4 \times 9 =$
8	$2.5 + 8.3 =$
9	$8.6 + 6.4 =$
10	Find $\frac{2}{7}$ of 63.
11	Find $\frac{3}{7}$ of 21.
12	Write the test score 19 out of 25 as a percentage.
13	Write the test score 18 out of 20 as a percentage.
14	Work out 60% of 50.
15	Work out 40% of 40.
16	What is $5a + 5b + 4a - 3b$ ?
17	What is $4a + 2b + 4a - 4b$ ?
18	If $k = 5$ , what is the value of $3k + 7$ ?
19	If $k = 6$ , what is the value of $4k + 6$ ?
20	I double a number and then add 5. The answer is 15. What was my number?
21	I halve a number and then subtract 6. The answer is -1.5. What was my number?
22	Work out 55% of 140.
23	Work out 45% of 100.
24	Two angles of a triangle are $80^\circ$ and $70^\circ$ , how big is the third angle?
25	Two angles of a triangle are $60^\circ$ and $20^\circ$ , how big is the third angle?
26	$0.2 + 0.13 =$
27	$0.3 + 0.39 =$
28	$21.8 - 5 =$
29	$28.3 - 6.9 =$
30	Find $\frac{3}{8}$ of 88.

31	Find $\frac{4}{9}$ of 27.
32	Solve the equation $11x = 88$
33	Solve the equation $5x = 40$
34	Solve the equation $5x + 3 = 43$
35	Solve the equation $11x + 9 = 53$
36	If $T = 5p - 6$ and $p = 4$ , what does T equal?
37	If $T = 5p - 3$ and $p = 6$ , what does T equal?
38	$0.2 + 0.02 + 1 =$
39	$0.3 + 0.31 + 0.7 =$
40	What is $5^{-2}$ ?
41	What is $47^0$ ?
42	What is $3^1$ ?
43	$\frac{1}{4} + \frac{2}{7} =$
44	$\frac{1}{5} + \frac{4}{7} =$
45	$\frac{1}{3} + \frac{4}{9} =$
46	If I buy k packets of sweets with 15 in each packet, how many sweets have I bought?
47	If I buy x packets of sweets with 25 in each packet, how many sweets have I bought?
48	$\frac{4}{7} - \frac{1}{4} =$
49	$\frac{7}{8} - \frac{1}{5} =$
50	$\frac{6}{7} - \frac{1}{3} =$

## Maths Sheet 12

Question	
1	Find $\frac{1}{3}$ of 30.
2	Find $\frac{1}{6}$ of 66.
3	Find $\frac{1}{6}$ of 48.
4	What is $9^2$ ?
5	What is $13^2$ ?
6	$0.8 \times 8 =$
7	$0.5 \times 6 =$
8	$2.4 + 4.8 =$
9	$6.3 + 5.7 =$
10	Find $\frac{3}{7}$ of 56.
11	Find $\frac{3}{7}$ of 49.
12	Write the test score 15 out of 50 as a percentage.
13	Write the test score 23 out of 25 as a percentage.
14	Work out 40% of 10.
15	Work out 40% of 100.
16	What is $4a + 2b + 5a - 3b$ ?
17	What is $2a + 2b + 3a - 4b$ ?
18	If $k = 7$ , what is the value of $9k + 8$ ?
19	If $k = 7$ , what is the value of $5k + 6$ ?
20	I halve a number and then subtract 10. The answer is -6.5. What was my number?
21	I triple a number and then subtract 6. The answer is 21. What was my number?
22	Work out 65% of 180.
23	Work out 55% of 140.
24	Two angles of a triangle are $40^\circ$ and $60^\circ$ , how big is the third angle?
25	Two angles of a triangle are $50^\circ$ and $70^\circ$ , how big is the third angle?
26	$0.5 + 0.12 =$
27	$0.3 + 0.18 =$
28	$29.9 - 1.9 =$
29	$16.4 - 1.5 =$
30	Find $\frac{5}{7}$ of 70.
31	Find $\frac{7}{9}$ of 99.

32	Solve the equation $6x = 48$
33	Solve the equation $11x = 121$
34	Solve the equation $9x + 5 = 95$
35	Solve the equation $4x + 8 = 44$
36	If $T = 4p - 7$ and $p = 5$ , what does $T$ equal?
37	If $T = 2p - 4$ and $p = 7$ , what does $T$ equal?
38	$0.2 + 0.21 + 1 =$
39	$0.1 + 0.34 + 0.8 =$
40	What is $6^{-2}$ ?
41	What is $42^0$ ?
42	What is $8^1$ ?
43	$13 + \frac{2}{9} =$
44	$\frac{1}{2} + \frac{4}{7} =$
45	$\frac{1}{5} + \frac{8}{9} =$
46	If I buy $n$ packets of sweets with 35 in each packet, how many sweets have I bought?
47	If I buy $x$ packets of sweets with 25 in each packet, how many sweets have I bought?
48	$\frac{5}{8} - \frac{1}{3} =$
49	$\frac{5}{6} - \frac{1}{4} =$
50	$\frac{6}{7} - \frac{1}{5} =$

### Maths Sheet 13

Question	
1	Find $\frac{1}{7}$ of 84.
2	Find $\frac{1}{7}$ of 63.
3	Find $\frac{1}{6}$ of 72.
4	What is $15^2$ ?
5	What is $20^2$ ?
6	$0.8 \times 11 =$
7	$0.3 \times 8 =$
8	$1.6 + 6.3 =$
9	$6.8 + 9.5 =$
10	Find $\frac{3}{4}$ of 36.
11	Find $\frac{2}{5}$ of 25.
12	Write the test score 30 out of 50 as a percentage.
13	Write the test score 46 out of 50 as a percentage.
14	Work out 5% of 60.
15	Work out 80% of 60.
16	What is $4a + 2b + 4a - 5b$ ?
17	What is $4a + 2b + 4a - 4b$ ?
18	If $k = 9$ , what is the value of $3k + 5$ ?
19	If $k = 7$ , what is the value of $9k + 5$ ?
20	I triple a number and then subtract 10. The answer is 2. What was my number?
21	I triple a number and then subtract 4. The answer is 14. What was my number?
22	Work out 8% of 120.
23	Work out 15% of 60.
24	Two angles of a triangle are $90^\circ$ and $20^\circ$ , how big is the third angle?
25	Three angles of a quadrilateral are $80^\circ$ , $100^\circ$ and $20^\circ$ , how big is the fourth angle?
26	$0.4 + 0.42 =$
27	$0.4 + 0.5 =$
28	$1.7 - 9.6 =$
29	$10.1 - 9.42 =$
30	Find $\frac{4}{9}$ of 144.
31	Find $\frac{7}{9}$ of 27.



32	Solve the equation $x/2 = 16$
33	Solve the equation $7x = 112$
34	Solve the equation $8x + 8 = 96$
35	Solve the equation $10x + 5 = 105$
36	If $T = 2p - 3$ and $p = 7$ , what does T equal?
37	If $T = 5p - 4$ and $T = 11$ , what does P equal?
38	$0.4 + 0.39 + 0.9 =$
39	$0.1 + 0.28 + 0.7 =$
40	What is $7^{-2}$ ?
41	What is $9^0$ ?
42	What is $39^1$ ?
43	$\frac{1}{4} + \frac{5}{8} =$
44	$\frac{1}{3} + \frac{2}{9} =$
45	$\frac{1}{2} + \frac{5}{8} =$
46	If I buy m packets of sweets with 40 in each packet, how many sweets have I bought?
47	If I buy x packets of sweets with 45 in each packet, how many sweets have I bought?
48	$\frac{6}{7} - \frac{1}{4} =$
49	$\frac{5}{6} - \frac{1}{5} =$
50	$\frac{4}{7} - \frac{1}{4} =$

### Maths Sheet 14

Question	
1	Find $\frac{1}{3}$ of 27.
2	Find $\frac{1}{4}$ of 28.
3	Find $\frac{1}{5}$ of 15.
4	What is $9^2$ ?
5	What is $4^3$ ?
6	$0.9 \times 12 =$
7	$0.3 \times 6 =$
8	$8.7 + 5.5 =$
9	$2.7 + 3.5 =$
10	Find $\frac{2}{5}$ of 50.
11	Find $\frac{5}{6}$ of 18.
12	Write the test score 38 out of 50 as a percentage.
13	Write the test score 47 out of 50 as a percentage.
14	Work out 80% of 30.
15	Work out 90% of 50.
16	What is $4a + 5b + 3a - 4b$ ?
17	What is $3a + 3b + 2a - 5b$ ?
18	If $k = 6$ , what is the value of $6k + 3$ ?
19	If $k = 8$ , what is the value of $4k + 4$ ?
20	I triple a number and then add 11. The answer is 35. What was my number?
21	I halve a number and then subtract 9. The answer is -7. What was my number?
22	Work out 45% of 80.
23	Work out 85% of 180.
24	Two angles of a triangle are $40^\circ$ and $110^\circ$ , how big is the third angle?
25	Two angles of a triangle are $80^\circ$ and $60^\circ$ , how big is the third angle?
26	$0.5 + 0.35 =$
27	$0.3 + 0.37 =$
28	$27.3 - 2.7 =$
29	$10.5 - 6.1 =$
30	Find $\frac{4}{7}$ of 77.
31	Find $\frac{3}{8}$ of 56.

32	Solve the equation $11x = 121$
33	Solve the equation $9x = 72$
34	Solve the equation $9x + 6 = 87$
35	Solve the equation $8x + 4 = 68$
36	If $T = 3p - 3$ and $p = 4$ , what does $T$ equal?
37	If $T = 4p - 5$ and $p = 5$ , what does $T$ equal?
38	$0.4 + 0.09 + 0.7 =$
39	$0.5 + 0.5 + 0.9 =$
40	What is $13^{-2}$ ?
41	What is $16^0$ ?
42	What is $14^1$ ?
43	$13 + \frac{3}{8} =$
44	$\frac{1}{4} + \frac{4}{9} =$
45	$\frac{1}{2} + \frac{2}{9} =$
46	If I buy $m$ packets of sweets with 40 in each packet, how many sweets have I bought?
47	If I buy $q$ packets of sweets with 20 in each packet, how many sweets have I bought?
48	$\frac{6}{7} - \frac{1}{3} =$
49	$\frac{5}{6} - \frac{1}{4} =$
50	$\frac{7}{9} - \frac{1}{2} =$

### Maths Sheet 15

Question	
1	Find $\frac{1}{6}$ of 42.
2	Find $\frac{1}{3}$ of 36.
3	Find $\frac{1}{5}$ of 35.
4	What is $6^2$ ?
5	What is $8^4$ ?
6	$0.6 \times 5 =$
7	$0.8 \times 5 =$
8	$4.8 + 1.3 =$
9	$9.9 + 1.1 =$
10	Find $\frac{3}{7}$ of 63.
11	Find $\frac{4}{7}$ of 28.
12	Write the test score 23 out of 25 as a percentage.
13	Write the test score 11 out of 20 as a percentage.
14	Work out 70% of 60.
15	Work out 20% of 10.
16	What is $2a + 5b + 3a - 5b$ ?
17	What is $3a + 5b + 4a - 5b$ ?
18	If $k = 3$ , what is the value of $4k + 6$ ?
19	If $k = 4$ , what is the value of $5k + 9$ ?
20	I triple a number and then subtract 10. The answer is 26. What was my number?
21	I halve a number and then subtract 12. The answer is -8. What was my number?
22	Work out 45% of 180.
23	Work out 85% of 140.
24	Two angles of a triangle are $40^\circ$ and $120^\circ$ , how big is the third angle?
25	Two angles of a triangle are $30^\circ$ and $10^\circ$ , how big is the third angle?
26	$0.4 + 0.38 =$
27	$0.3 + 0.19 =$
28	$14.4 - 8.2 =$
29	$23.8 - 1.8 =$
30	Find $\frac{3}{5}$ of 20.
31	Find $\frac{5}{7}$ of 84.

32	Solve the equation $6x = 36$
33	Solve the equation $4x = 24$
34	Solve the equation $12x + 7 = 151$
35	Solve the equation $8x + 8 = 40$
36	If $T = 3p - 5$ and $p = 5$ , what does $T$ equal?
37	If $T = 5p - 5$ and $p = 6$ , what does $T$ equal?
38	$0.1 + 0.23 + 1 =$
39	$0.5 + 0.09 + 1 =$
40	What is $10^{-2}$ ?
41	What is $11^0$ ?
42	What is $17^1$ ?
43	$\frac{1}{5} + \frac{4}{7} =$
44	$\frac{1}{2} + \frac{6}{7} =$
45	$\frac{1}{5} + \frac{5}{8} =$
46	If I buy $p$ packets of sweets with 50 in each packet, how many sweets have I bought?
47	If I buy $n$ packets of sweets with 20 in each packet, how many sweets have I bought?
48	$\frac{5}{7} - \frac{1}{5} =$
49	$\frac{5}{9} - \frac{1}{4} =$
50	$\frac{5}{8} - \frac{1}{5} =$

## Maths Sheet 16

Question	
1	Find $\frac{1}{3}$ of 18.
2	Find $\frac{1}{7}$ of 63.
3	Find $\frac{1}{6}$ of 30.
4	What is $13^2$ ?
5	What is $10^2$ ?
6	$0.8 \times 8 =$
7	$0.8 \times 4 =$
8	$7.2 + 5.3 =$
9	$1.5 + 2 =$
10	Find $\frac{2}{3}$ of 15.
11	Find $\frac{4}{7}$ of 84.
12	Write the test score 6 out of 50 as a percentage.
13	Write the test score 16 out of 20 as a percentage.
14	Work out 60% of 10.
15	Work out 70% of 60.
16	What is $3a + 5b + 5a - 4b$ ?
17	What is $3a + 5b + 4a - 4b$ ?
18	If $k = 4$ , what is the value of $5k + 9$ ?
19	If $k = 5$ , what is the value of $3k + 3$ ?
20	I double a number and then subtract 9. The answer is 7. What was my number?
21	I halve a number and then subtract 11. The answer is -8.5. What was my number?
22	Work out 8% of 160.
23	Work out 35% of 60.
24	Two angles of a triangle are $60^\circ$ and $50^\circ$ , how big is the third angle?
25	Two angles of a triangle are $50^\circ$ and $50^\circ$ , how big is the third angle?
26	$0.3 + 0.28 =$
27	$0.5 + 0.09 =$
28	$4.9 - 1.7 =$
29	$21.6 - 7.5 =$
30	Find $\frac{3}{8}$ of 48.
31	Find $\frac{3}{7}$ of 21.

32	Solve the equation $6x = 72$
33	Solve the equation $5x = 45$
34	Solve the equation $6x + 12 = 66$
35	Solve the equation $7x + 5 = 75$
36	If $T = 4p - 5$ and $p = 7$ , what does $T$ equal?
37	If $T = 5p - 3$ and $p = 3$ , what does $T$ equal?
38	$0.3 + 0.1 + 0.6 =$
39	$0.1 + 0.37 + 0.7 =$
40	What is $8^{-2}$ ?
41	What is $33^0$ ?
42	What is $42^1$ ?
43	$\frac{1}{3} + \frac{6}{7} =$
44	$\frac{1}{2} + \frac{3}{7} =$
45	$\frac{1}{4} + \frac{3}{7} =$
46	If I buy $p$ packets of sweets with 25 in each packet, how many sweets have I bought?
47	If I buy $q$ packets of sweets with 15 in each packet, how many sweets have I bought?
48	$\frac{4}{7} - \frac{1}{2} =$
49	$\frac{5}{7} - \frac{1}{4} =$
50	$\frac{5}{8} - \frac{1}{3} =$

### Maths Sheet 17

Question	
1	Find $\frac{1}{7}$ of 49.
2	Find $\frac{1}{2}$ of 10.
3	Find $\frac{1}{3}$ of 33.
4	What is $5^2$ ?
5	What is $14^2$ ?
6	$0.3 \times 9 =$
7	$0.5 \times 5 =$
8	$6.8 + 2.1 =$
9	$4.5 + 7.7 =$
10	Find $\frac{2}{7}$ of 28.
11	Find $\frac{3}{7}$ of 84.
12	Write the test score 6 out of 25 as a percentage.
13	Write the test score 4 out of 20 as a percentage.
14	Work out 30% of 50.
15	Work out 80% of 20.
16	What is $4a + 3b + 2a - 4b$ ?
17	What is $4a + 4b + 4a - 5b$ ?
18	If $k = 4$ , what is the value of $3k + 3$ ?
19	If $k = 6$ , what is the value of $5k + 3$ ?
20	I halve a number and then subtract 11. The answer is -5.5. What was my number?
21	I triple a number and then subtract 3. The answer is 21. What was my number?
22	Work out 55% of 140.
23	Work out 35% of 180.
24	Two angles of a triangle are $30^\circ$ and $60^\circ$ , how big is the third angle?
25	Two angles of a triangle are $70^\circ$ and $30^\circ$ , how big is the third angle?
26	$0.4 + 0.15 =$
27	$0.4 + 0.46 =$
28	$5.5 - 1.9 =$
29	$9 - 5.3 =$
30	Find $\frac{5}{8}$ of 24.
31	Find $\frac{5}{7}$ of 63.



32	Solve the equation $10x = 90$
33	Solve the equation $8x = 80$
34	Solve the equation $3x + 3 = 33$
35	Solve the equation $5x + 11 = 51$
36	If $T = 4p - 5$ and $p = 3$ , what does $T$ equal?
37	If $T = 5p - 4$ and $p = 3$ , what does $T$ equal?
38	$0.5 + 0.19 + 0.7 =$
39	$0.1 + 0.15 + 0.9 =$
40	What is $11^{-2}$ ?
41	What is $43^0$ ?
42	What is $42^1$ ?
43	$13 + \frac{3}{8} =$
44	$\frac{1}{3} + \frac{8}{9} =$
45	$\frac{1}{4} + \frac{5}{6} =$
46	If I buy $q$ packets of sweets with 35 in each packet, how many sweets have I bought?
47	If I buy $z$ packets of sweets with 7 in each packet, how many sweets have I bought?
48	$\frac{5}{9} - \frac{1}{5} =$
49	$\frac{5}{7} - \frac{1}{4} =$
50	$\frac{6}{7} - \frac{1}{4} =$

### Maths Sheet 18.

Question	
1	Find $\frac{1}{4}$ of 20.
2	Find $\frac{1}{2}$ of 24.
3	Find $\frac{1}{3}$ of 36.
4	What is $15^2$ ?
5	What is $3^3$ ?
6	$0.4 \times 7 =$
7	$0.4 \times 6 =$
8	$7.4 + 9 =$
9	$3.1 + 6.9 =$
10	Find $\frac{3}{5}$ of 55.
11	Find $\frac{4}{7}$ of 70.
12	Write the test score 41 out of 50 as a percentage.
13	Write the test score 22 out of 25 as a percentage.
14	Work out 60% of 10.
15	Work out 70% of 30.
16	What is $2a + 5b + 4a - 3b$ ?
17	What is $5a + 5b + 4a - 2b$ ?
18	If $k = 5$ , what is the value of $9k + 7$ ?
19	If $k = 10$ , what is the value of $8k + 10$ ?
20	I halve a number and then add 11. The answer is 16.5. What was my number?
21	I triple a number and then subtract 9. The answer is 21. What was my number?
22	Work out 8% of 160.
23	Work out 35% of 60.
24	Two angles of a triangle are $30^\circ$ and $110^\circ$ , how big is the third angle?
25	Two angles of a triangle are $90^\circ$ and $10^\circ$ , how big is the third angle?
26	$0.5 + 0.04 =$
27	$0.2 + 0.44 =$
28	$6.9 - 5.7 =$
29	$5.9 - 5.1 =$
30	Find $\frac{5}{7}$ of 63.
31	Find $\frac{3}{8}$ of 40.

32	Solve the equation $6x = 54$
33	Solve the equation $6x = 24$
34	Solve the equation $4x + 8 = 52$
35	Solve the equation $8x + 8 = 40$
36	If $T = 4p - 3$ and $p = 4$ , what does $T$ equal?
37	If $T = 2p - 4$ and $p = 7$ , what does $T$ equal?
38	$0.2 + 0.15 + 0.8 =$
39	$0.2 + 0.45 + 0.9 =$
40	What is $12^{-2}$ ?
41	What is $28^0$ ?
42	What is $7^1$ ?
43	$\frac{1}{5} + \frac{2}{9} =$
44	$\frac{1}{4} + \frac{2}{9} =$
45	$\frac{1}{2} + \frac{4}{9} =$
46	If I buy $n$ packets of sweets with 5 in each packet, how many sweets have I bought?
47	If I buy $m$ packets of sweets with 15 in each packet, how many sweets have I bought?
48	$\frac{5}{6} - \frac{1}{5} =$
49	$\frac{5}{8} - \frac{1}{2} =$
50	$\frac{5}{9} - \frac{1}{4} =$

### Maths Sheet 19

Question	
1	Find $\frac{1}{6}$ of 36.
2	Find $\frac{1}{7}$ of 77.
3	Find $\frac{3}{9}$ of 63.
4	What is $2^3$ ?
5	What is $15^2$ ?
6	$0.3 \times 11 =$
7	$0.8 \times 4 =$
8	$7.6 + 2.9 =$
9	$4.3 + 7.1 =$
10	Find $\frac{4}{5}$ of 445.
11	Find $\frac{4}{9}$ of 162.
12	Write the test score 8 out of 25 as a percentage.
13	Write the test score 14 out of 20 as a percentage.
14	Work out 85% of 50.
15	Work out 61% of 200.
16	What is $3a + 4b + 5a - 3b$ ?
17	What is $3a + 4b + 2a - 5b$ ?
18	If $k = 7$ , what is the value of $5k + 4$ ?
19	If $k = 18$ , what is the value of $5k + 4$ ?
20	I halve a number and then subtract 3. The answer is 2.5. What was my number?
21	I triple a number and then subtract 7. The answer is 5. What was my number?
22	Work out 45% of 120.
23	Work out 65% of 100.
24	Two angles of a triangle are $50^\circ$ and $90^\circ$ , how big is the third angle?
25	Two angles of a triangle are $30^\circ$ and $10^\circ$ , how big is the third angle?
26	$0.1 + 0.39 =$
27	$0.2 + 0.26 =$
28	$8.3 - 5 =$
29	$13.8 - 2 =$
30	Find $\frac{5}{7}$ of 70.
31	Find $\frac{7}{9}$ of 72.

32	Solve the equation $7x = 49$
33	Solve the equation $10x = 110$
34	Solve the equation $5x + 3 = 38$
35	Solve the equation $10x + 3 = 43$
36	If $T = 4p - 7$ and $p = 5$ , what does $T$ equal?
37	If $T = 5p - 6$ and $p = 4$ , what does $T$ equal?
38	$0.1 + 0.1 + 0.9 =$
39	$0.5 + 0.22 + 0.9 =$
40	What is $15^{-2}$ ?
41	What is $13^0$ ?
42	What is $35^1$ ?
43	$\frac{1}{4} + \frac{5}{7} =$
44	$\frac{1}{2} + \frac{2}{9} =$
45	$\frac{1}{3} + \frac{7}{8} =$
46	If I buy $k$ packets of sweets with 30 in each packet, how many sweets have I bought?
47	If I buy $x$ packets of sweets with 5 in each packet, how many sweets have I bought?
48	$\frac{4}{7} - \frac{1}{5} =$
49	$\frac{6}{7} - \frac{1}{3} =$
50	$\frac{5}{9} - \frac{1}{3} =$

## Maths Sheet 20

Question	
1	Find $\frac{1}{6}$ of 42.
2	Find $\frac{1}{7}$ of 28.
3	Find $\frac{1}{9}$ of 36.
4	What is $13^2$ ?
5	What is $5^3$ ?
6	$0.7 \times 5 =$
7	$0.5 \times 6 =$
8	$2 + 7.8 =$
9	$7 + 5.2 =$
10	Find $\frac{3}{7}$ of 63.
11	Find $\frac{2}{5}$ of 45.
12	Write the test score 40 out of 50 as a percentage.
13	Write the test score 27 out of 50 as a percentage.
14	Work out 5% of 10.
15	Work out 90% of 50.
16	What is $4a + 2b + 4a - 4b$ ?
17	What is $2a + 5b + 2a - 2b$ ?
18	If $k = 8$ , what is the value of $8k + 4$ ?
19	If $k = 9$ , what is the value of $8k + 4$ ?
20	I halve a number and then subtract 8. The answer is -4. What was my number?
21	I treble a number and then subtract 5. The answer is 22. What was my number?
22	Work out 45% of 60.
23	Work out 15% of 140.
24	Two angles of a triangle are $60^\circ$ and $100^\circ$ , how big is the third angle?
25	Two angles of a triangle are $70^\circ$ and $80^\circ$ , how big is the third angle?
26	$0.4 + 0.29 =$
27	$0.3 + 0.46 =$
28	$22.9 - 0.2 =$
29	$17.8 - 6.7 =$
30	Find $\frac{4}{7}$ of 28.
31	Find $\frac{3}{7}$ of 56.

