Hoi	mework Sheet 1 Do	ate	
1	Calculate $5+3\times10$	11	A triangle has vertices at (0,0), (2, 4) and (5,0). Plot the vertices and draw the triangle.
2	Complete this calculation (show carrying) 6382 ± 592	12	Simplify $6a + 10a + 3a$
3	Complete this calculation (show carrying) 385×6	13	If x=4 and y=11 what is y - x
4	Round 5.36201 to 1 decimal place	14	Solve the equation $x+10=30$
5	Use $425 \times 79 = 33575$ to work out $425 \times 7.9 =$	15	Use the digits 2, 3, 4, 8 to complete the calculation
6	Complete $\frac{4}{5} = \frac{20}{20}$	16	Calculate $8-12$ Use the number line to help you $ \frac{78-77-6-75-74-73-72-71-9-11-2-33-4-5-6-7-8-9-10}{100} $
7	Use your answer to Q6 to help you work out $\frac{4}{5} + \frac{7}{20}$	17	Draw a dot diagram to show why 9 is a square number
8	Find the mean of these values: 100, 200, 300 400	18	Find the area of this shape 6 cm
9	Phillip bought 40 items. The pie chart shows the type he bought. How many items of clothing did he buy?	19	David buys 6 pencils for £1.20. How much would 4 pencils cost?
10	Give this diagram rotational symmetry of order 2 about the centre point. You should only shade 2 more squares.	20	Calculate the value of the missing angle

Mark

Hoi	mework Sheet 2 D	ate_	
1	Calculate $10-2\times3$	11	Plot these points and join them up in order (4, 2), (4, -2), (-4, -2), (-4, -2), (4,2) What shape do you get?
2	Complete this calculation (show borrowing) 8481 -3544		Simplify 9a + b + a +2b
3	Complete this calculation (show carrying) 1045 $ imes 4$	13	If x=4 and y=11 what is $3 \times x + y$
4	Round 7.3519 to 1 decimal place	14	Solve the equation $x-5=6$
5	Use $425 \times 79 = 33575$ to work out $4.25 \times 79 =$	15	Use the digits 2, 7, 8, 9 to complete the calculation $ = $
6	Complete $\frac{3}{4} = \frac{12}{12}$	16	Calculate $-8+4$ Use the number line to help you
7	Use your answer to Q6 to help you work out $\frac{3}{4} + \frac{1}{12}$	17	Draw a dot diagram to show why 6 is a triangle number
8	Find the mean of these values: 6, 4, 8, 2, 5	18	Find the area of this shape 6cm 10cm
9	Phillip bought 40 items. The pie chart shows the type he bought. How many CD's did he buy?	19	Emily buys 4 pens for £1. How much would 7 pens cost?
10	Give this diagram rotational symmetry of order 2 about the centre point. You should only shade 3 more squares.	20	Calculate the value of the missing angle

Mark

Ho	mework Sheet 3 Do	ate_	
1	Calculate $2+10 \div 2$	11	Plot these points and join them up in order (4, 4), (4, -4), (-4, -4), (-4, -4), (4,4) What shape do you get?
2	Complete this calculation (show carrying) 1867 ± 4329	12	Simplify 6a + 11b - 3a - 4b
3	Complete this calculation (show 519 carrying) $\times 8$	13	If x=4 and y=11 what is $x+2\times y$
4	Round 1.9383 to 1 decimal place	14	Solve the equation $5x = 50$
5	Use $425 \times 79 = 33575$ to work out $425 \times 790 =$	15	Use the digits 1, 1, 4, 4, 4 to complete the calculation
6	Complete $\frac{1}{3} = \frac{1}{15}$	16	Calculate $5-7$ Use the number line to help you $\frac{7}{16} = \frac{7}{16} = \frac{7}{$
7	Use your answer to Q6 to help you work out $\frac{7}{15} - \frac{1}{3}$	17	Draw a dot diagram to show why 16 is a square number
8	Find the mean of these values: 4, 10, 6, 3, 8, 5	18	Find the area of this shape 6 cm
9	Phillip bought 40 items. The pie chart shows the type he bought. How many items of food did he buy?	19	Fiona buys 3 erasers for 45p. How much would 10 erasers cost?
10	Give this diagram rotational symmetry of order 2 about the	20	Calculate the value of the missing angle

Mark

Effort

centre point. You should only shade 4 more squares.

Hor	nework Sheet 4 Do	ate_	
1	Calculate $5+2^2$	11	Plot these points and join them up in order (0, 4), (2, 0), (0,-4), (-2, 0), (0,4) What shape do you get?
2	Complete this calculation (show 9163 borrowing) 9163	12	Simplify 9a + 3 + 2a +10
3	Complete this calculation (show carrying) $7)938$	13	If x=4 and y=11 what is xy
4	Round 5.928301 to 2 decimal places	14	Solve the equation $\frac{x}{6} = 3$
5	Use $425 \times 79 = 33575$ to work out $425 \times 0.79 =$	15	Use the digits 1, 3, 4, 5, 5 to complete the calculation $= \begin{array}{ c c c c c c } \hline & \times & \hline \\ \hline & & \end{array}$
6	Complete $\frac{3}{7} = \frac{14}{14}$	16	Calculate $-5-3$ Use the number line to help you
7	Use your answer to Q6 to help you work out $\frac{11}{14} - \frac{3}{7}$	17	Draw a dot diagram to show why 10 is a triangle number
8	First put these in order then find the median 5, 8, 3, 7, 1, 4, 7	18	Find the area of this shape
9	Phillip bought 40 items. The pie chart shows the type he bought. How many toys did he buy?	19	Gavin buys 7 rulers for £3.50. How much would 9 rulers cost?
10	Give this diagram rotational symmetry of order 4 about the centre point. You should only shade 6 more squares.	20	Calculate the value of the missing angle

Mark

Comments

Hor	nework Sheet 5 Do	ate_	
1	Calculate $(5+3)\times(10-2)$	11	Plot these points and join them up in order (0, 2), (4, 0), (0, -4), (-4, 0), (0,2) What shape do you get?
2	Complete this calculation (show borrowing) 4000 -3592	12	Simplify 5 + 8a +7a + 9 - a
3	Complete this calculation (show carrying) $8)1200$	13	If x=5 and y=10 what is $2x^2$
4	Round 9.0072 to 2 decimal places	14	Solve the equation $2x+3=15$ $x - \times 2 + 3 - 15$
5	Use $582 \times 13 = 7566$ to work out 582×1.3	15	Use the digits 1, 2, 2, 2, 4 to complete the calculation $= \begin{array}{ c c c c c c } \hline & \times & \hline \\ \hline & & \end{array}$
6	Complete $\frac{3}{8} = \frac{1}{24} \text{and} \frac{1}{6} = \frac{1}{24}$	16	Calculate $-3+9-4$ Use the number line to help you $\frac{7}{6} \cdot \frac{7}{7} \cdot \frac{7}{6} \cdot \frac{7}{5} \cdot \frac{7}{4} \cdot \frac{7}{3} \cdot \frac{7}{2} \cdot \frac{7}{1} \cdot \frac{9}{1} \cdot \frac{1}{2} \cdot \frac{2}{3} \cdot \frac{4}{5} \cdot \frac{5}{6} \cdot \frac{7}{7} \cdot \frac{8}{5} \cdot \frac{9}{10} \cdot \frac{10}{2}$
7	Use your answers to Q6 to help you work out $\frac{3}{8} + \frac{1}{6}$	17	What is the 5 th triangle number (draw a dot diagram to help you)
8	First put these in order then find the median 4, 7, 3, 5, 2, 2, 7, 4	18	Find the area of this shape
9	Jenny did a survey on makes of cars outside her house. She saw 9 BMW's. How many Toyotas did she see?	19	Heather buys 5 calculators for £35. How much would 8 calculators cost?
10	Give this diagram rotational symmetry of order 4 about the centre point. You should only shade 8 more squares.	20	Calculate the value of the missing angle $c^{\circ} 76^{\circ}$

Mark

Homework Sheet 6 Date Calculate $1+9^2$ Plot these points and join them up in order (-4, 2), (2, 2), (4, -2), (-2, -2), (-4, 2)What shape do you get? 999 Complete this calculation (show Simplify 2 12 carrying) 111 5a + 3b + c - 5a - 3b+999 Complete this calculation (show carrying) If x=5 and y=10 what is 3 13 4)2620 х Round 14.63486 to 3 decimal places 4 14 Solve the equation 3x-1=29 $\times 3$ 29 Use $582 \times 13 = 7566$ to work out Use the digits 1, 2, 2, 3, 9 to complete the calculation 15 5 5.82×13 Complete 16 Calculate -5+11+26 $\frac{1}{4} = \frac{1}{12}$ and $\frac{1}{3} = \frac{1}{12}$ Use the number line to help you Use your answers to Q6 to help you work out What is the 5th square number (draw a dot diagram to 7 17 help you) First put these in order then find the median Find the area of this shape 8 18 0.5, 0.4, 0.8, 0.11, 0.42 8 cm Jenny did a survey on makes of cars Imagen buys 11 protractors for £2.20. How much 19 9 outside her house. She saw 9 BMW's. would 12 protractors cost? How many Peugeots did she see? Ford Calculate the value of the 10 Give this diagrams rotational 20 symmetry of order 4 about the missing angle centre point. You should only shade 6 more squares.

Mark

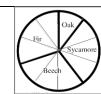
Homework Sheet 7 Date Calculate $3+2\times4+10$ 11 Plot these points and join them up in order (-4, -3), (-2, 2), (2, 2), (4, -3), (-4, -3)What shape do you get? Complete this calculation (show 5000 Simplify 2 12 borrowing) -999 7x + y + y + 2z - 5x - yComplete this calculation (show carrying) If x=5 and y=10 what is 3 13 5x + 2y8)2112 Round 0.02439 to 3 decimal places Solve the equation 5x - 6 = 494 14 $\times 5$ 49 Use $582 \times 13 = 7566$ to work out Use the digits 2, 2, 4, 3, 8 to complete the calculation 15 5 5.82×13 Complete 16 Calculate -4-3+116 $\frac{1}{2} = \frac{1}{10}$ and $\frac{2}{5} = \frac{1}{10}$ Use the number line to help you What is the 6th triangle number (draw a dot diagram Use your answers to Q6 to help you work out 7 17 to help you) Find the area of this shape First put these in order then find the median 8 18 -4, 2, -3, 5, 1, 0, -4 4cm 8cm Jenny did a survey on makes of cars 19 Johnny buys 8 compasses for £4. How much would 3 9 outside her house. She saw 9 BMW's. compasses cost? How many Fords did she see? Calculate the values 10 What is the order of rotational 20 of the missing angles symmetry of this shape?

Mark

Hor	nework Sheet 8 D	ate_	
1	Calculate $11-5\times2+1$	11	Plot these points and join them up in order (0, 0), (2, 3), (0, -4), (-2, 3), (0,0) What shape do you get?
2	Complete this calculation (show carrying) 92363 +12946	12	Simplify 5a - 2b - 3b +6b + 2a
3	Complete this calculation (show carrying) $4)3004$	13	If x=5 and y=10 what is $6x+3y+2$
4	Round 73.13926 to 3 decimal places	14	Solve the equation $7x+3=24$ $x - \times 7 + 3 - 24$
5	Use $582 \times 13 = 7566$ to work out 5.82×1.3	15	Use the digits 1, 3, 5, 6, 8 to complete the calculation $= \begin{array}{ c c c c c c c } & + & & & & & & & & & & & & & & & & & $
6	Complete $\frac{3}{8} = \frac{3}{24} \text{and} \frac{5}{12} = \frac{3}{24}$	16	Calculate $7-10-4+2$ Use the number line to help you
7	Use your answers to Q6 to help you work out $\frac{3}{8} + \frac{5}{12}$	17	What is the 10 th square number
8	First put these in order then find the median 0.5, -0.2, 1.2, -2, -0.15, 0.06	18	Find the area of this shape 6m 6m
9	A stately home recorded the types of trees growing in the garden. What percentage were Oak?	19	Kylie buys 12 books for £48. How much would 20 books cost?
10	What is the order of rotational symmetry of this shape?	20	Calculate the values of the missing angles 132°

Mark

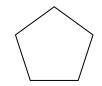
Homework Sheet 9 Date Calculate $30-4\times(2+1)$ 11 These points are three corners of a rectangle (-4,1), (3,1), (3,-2)Where should you plot the last point? 3.252 Simplify Complete this calculation (show 2 12 carrying) + 12.898 - 3a + 8a - 8b +3b Complete this calculation (show carrying) 502 If x=5 and y=10 what is 3 13 $\times 11$ 4xyRound 61.59984 to 3 decimal places Solve the equation 9x+11=384 14 ×9 +11-38 Use $582 \times 13 = 7566$ to work out Use the digits 0, 5, 5, 6, 7 to complete the calculation 15 5 582×130 Calculate -9 + 4 - 3 + 11Complete 16 6 $\frac{2}{3} = \frac{2}{21}$ and $\frac{2}{7} = \frac{2}{21}$ Use the number line to help you -10 -9 -8 -7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7 8 9 10 Write down how you would work out the 8 triangle Use your answers to Q6 to help you work out 7 17 number. Write down the largest value and the smallest value and Find the area of this shape 8 18 hence find the range 65, 32, 88, 12, 5, 54, 74, 24 A stately home recorded the 19 9



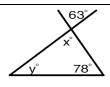
types of trees growing in the garden. What percentage were Beech?

Ling buys 2 cokes for £1.28. How much would 5 cokes cost?

What is the order of rotational 10 symmetry of this shape?



Calculate the values of the 20 missing angles



10 m

Mark

Homework Sheet 10

Date

1 Calculate $7-10 \div 2+4$

These points are three corners of a square (-3,0), (-1, -2), (1,0)

Where should you plot the last point?



2 Complete this calculation (show carrying)

12 Simplify

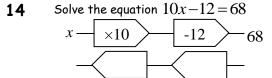
$$6x^2 + 3x^2$$

3 Complete this calculation (show carrying)

13 If x=5 and y=10 what is

$$x^2 + y^2$$

4 Round 8.47285 to 3 decimal places



5 Use $582 \times 13 = 7566$ to work out

15 Use the digits 3, 5, 8, 8, 9 to complete the calculation



6 Complete

$$\frac{4}{9} = \frac{1}{18}$$
 and $\frac{1}{2} = \frac{1}{18}$

Calculate -2+5-9+1+5Use the number line to help you

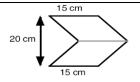


7 Use your answers to Q6 to help you work out

$$\frac{1}{2} - \frac{4}{9}$$

- 17 What are the first 10 square numbers?
- Write down the largest value and the smallest value and hence find the range

18 Find the area of this shape



9

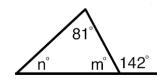


- A stately home recorded the types of trees growing in the garden. What percentage were Fir?
- Ling buys 3 CDs for £2.97. How much would 20 CDs cost?

What is the order of rotational symmetry of this shape?



Calculate the values of the missing angles



Mark

Homework Booklet 3

Name	
Teacher	
Class	

Non Calculator

Sheet	1	2	3	4	5	6	7	8	9	10
Mark										

Keep a record of how well you do in this table.

You should always try to improve on the previous week. Make sure you look at your corrections and targets so you know what you have to do to achieve better.

1	BODMAS										
2	Add/Subtract										
3	Times/Divide										
4	Rounding										
5	Estimating										
6	Equivalent Fractions										
7	Add/subt fractions										
8	Averages										
9	Pie Charts										
10	Rotational Symmetry										
11	Coordinates										
12	Algebra - simplify										
13	Algebra - substitute										
14	Algebra - equations										
15	Number puzzle										
16	Negatives										
17	Squares & Triangles										
18	Area										
19	Direct Proportion										
20	Angle calculations										
Question	Торіс	Homework 1	Homework 2	Homework 3	Homework 4	Homework 5	Homework 6	Homework 7	Homework 8	Homework 9	Homework 10

Below, you or your teacher may set you targets based on a particular type of question. When you achieve it ask your teacher to sign it off.

Date Set	Target	Date Achieved & Signature