



W.C.29th June 2020

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Maths ANSWERS

Monday

Mild

Revision: Place Value/ Number - Writing numbers, counting on and back, negative numbers and rounding

Fifty-six thousand, six hundred and one	56 601
Ninety thousand, four hundred and fifty-two	90 452
Two hundred and fourteen thousand, three hundred and twelve	214 312
Six hundred and fourteen thousand and fifty-nine	614 059
Three hundred and forty-five thousand, three hundred and twenty-seven	345 327
Four hundred thousand, two hundred and twelve	400 212
Eight hundred and eight thousand, eight hundred and eight	808 808
Eight hundred and eighty thousand, eight hundred and eighty	880 880
Six hundred and sixty-six thousand	666 000

1	546	556	566	576	586
2	478	578	678	778	878
3	4503	4603	4703	4803	4903
4	77	67	57	47	37
5	4904	5004	5104	5204	5304
6	7834	6834	5834	4834	3834
7	12 034	11 034	10 034	9034	8034
8	23 894	33 894	43 894	53 894	63 894
9	65 903	55 903	45 903	35 903	25 903
10	190 780	290 780	390 780	490 780	590 780

Look at the temperatures for these cities.
Write the name of the warmest place in the box.



A.

New York	Moscow	Warmest
-3°C	-1°C	Moscow

B.

Reykjavik	London	Warmest
-10°C	-3°C	London

C.

Stockholm	Edinburgh	Warmest
-4°C	-1°C	Edinburgh

D.

Minsk	St. Petersburg	Warmest
-15°C	-17°C	Minsk

16 023 → 20 000	120 532 → 120 000	195 870 → 200 000
27 467 → 30 000	244 665 → 240 000	200 287 → 200 000
49 501 → 50 000	315 500 → 320 000	375 828 → 380 000
62 090 → 60 000	455 838 → 460 000	199 777 → 200 000
76 327 → 80 000	626 112 → 630 000	471 727 → 470 000
92 105 → 90 000	731 008 → 730 000	999 300 → 1 000 000

Angles work - identifying angles up to 180°

1. Acute
2. Obtuse
3. Right angle
4. Acute
5. Acute
6. Obtuse
7. Right angle
8. Acute

An acute angle is an angle less than 90 degrees.

An obtuse angle is an angles less than 180 degrees but greater than 90 degrees.

A right angle is exactly 90 degrees and is shown by using a square.

A reflex angle is an angle that it is greater than 180 degrees.

Medium

Revision: Place Value/ Number - Writing numbers, counting on and back, negative numbers and rounding

23 443	Twenty-three thousand, four hundred and forty-three
51 623	Fifty-one thousand, six hundred and twenty-three
78 785	Seventy-eight thousand, seven hundred and eighty-five
33 091	Thirty-three thousand and ninety-one
60 696	Sixty thousand, six hundred and ninety-six
402 341	Four hundred and two thousand, three hundred and forty-one
589 130	Five hundred and eighty-nine thousand, one hundred and thirty
645 099	Six hundred and forty-five thousand and ninety-nine
840 781	Eight hundred and forty thousand, seven hundred and eighty-one
709 118	Seven hundred and nine thousand, one hundred and eighteen

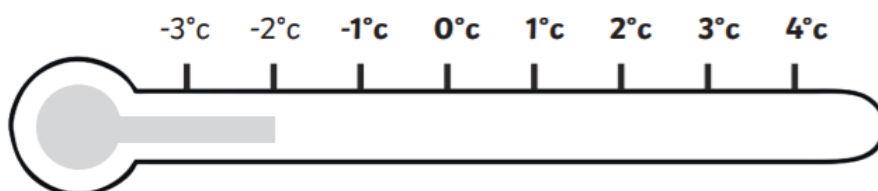
Count back from the given numbers in 1000s (some answers are given)

1. 4523 **3523** **2523** **1523** 523
2. 9000 **8000** **7000** 6000 **5000**
3. 13 450 12 450 **11 450** **10 450** **9 450**
4. 102 342 **101 342** 100 342 **99 342** **98 342**
5. 398 700 **397 700** **396 700** **395 700** **394 700**
6. 1 341 299 **1 340 299** **1 339 299** **1 338 299** **1 337 299**

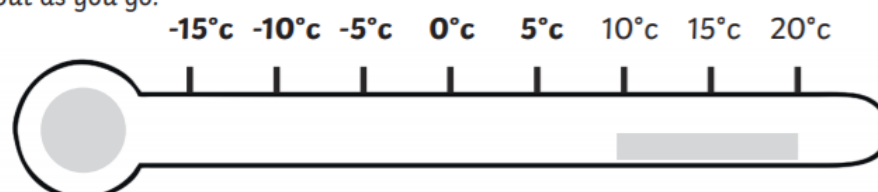
Spot the error in this sequence:

199 636	299 636	300 636	301 636	302 636
298 636	299 636	300 636	301 636	302 636

1. Continue this sequence. Colour in the thermometer to match your sequence.



2. Shade the thermometer lightly up to 20°C. Count backwards to continue this sequence and rub out as you go.



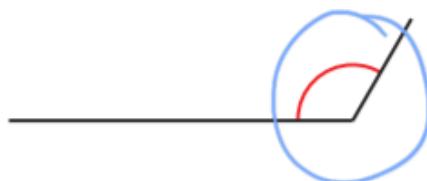
Round the following populations to the nearest 10 000.

Places	Population	To the nearest 10 000
Iceland	317 900	320 000
Bahamas	346 000	350 000
Malta	416 333	420 000
Samoa	179 000	180 000
Maldives	314 000	310 000
Solomon Islands	536 000	540 000
Guyana	761 000	760 000
Cyprus	801 851	800 000
fiji	854 000	850 000

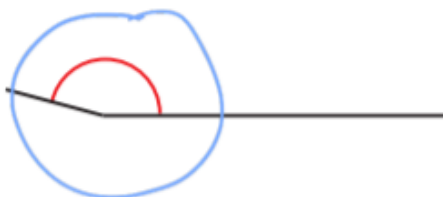
Angles work - identifying angles up to 180°

Circle the greater angle in each pair.

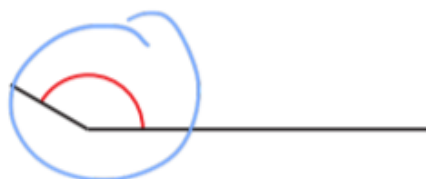
a)



b)



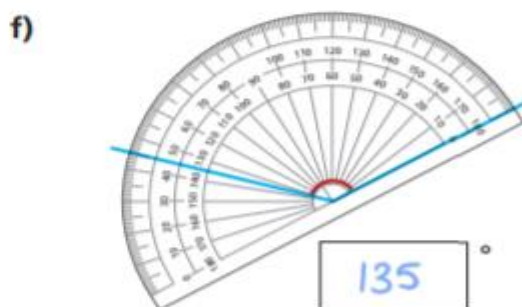
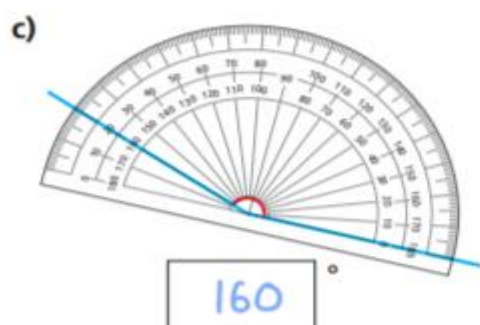
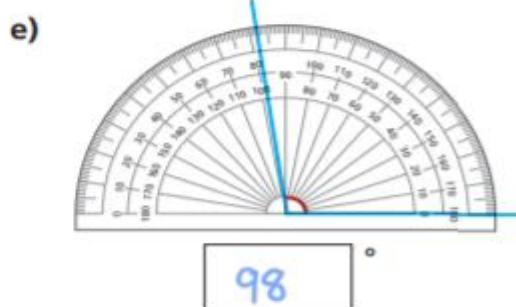
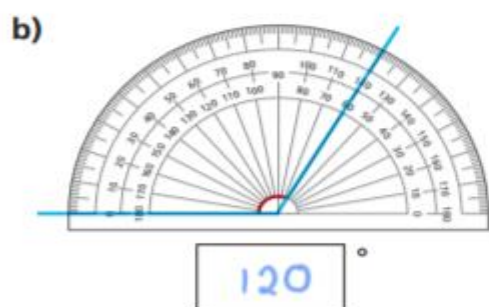
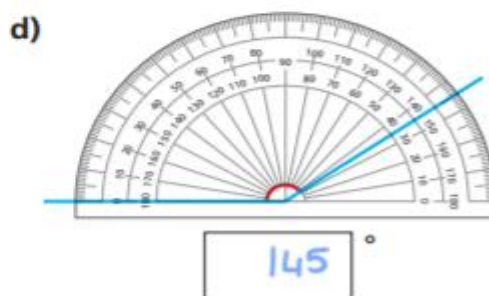
c)



d)



What is the size of the angle marked in each diagram?



These angles are all **obtuse** angles.

Spicy

Revision: Place Value/ Number - Writing numbers, counting on and back, negative numbers and rounding

589 130	Five hundred and eighty-nine thousand, one hundred and thirty
645 099	Six hundred and forty-five thousand and ninety-nine
840 781	Eight hundred and forty thousand, seven hundred and eighty-one
709 118	Seven hundred and nine thousand, one hundred and eighteen
112 098	One hundred and twelve thousand and ninety-eight
245 590	Two hundred and forty-five thousand, five hundred and ninety
390 519	Three hundred and ninety thousand, five hundred and nineteen
101 010	One hundred and one thousand and ten

Count back from the given numbers in 100 000s (some answers are given)

1. 690 382 **590 382** 490 382 **390 382** **290 382**
2. 968 900 **868 900** **768 900** **668 900** 568 900
3. 1 220 765 1 120 765 **1 020 765** **920 765** **820 765**
4. 2 400 000 **2 300 000** **2 200 000** 2 100 000 **2 000 000**
5. 6 256 923 **6 156 923** **6 056 923** **5 956 923** **5 856 923**
6. 14 170 000 **14 070 000** **13 970 000** **13 870 000** **13 770 000**

Spot the error in this sequence:

52 900 000	51 900 000	51 800 000	49 900 000	48 900 000
52 900 000	51 900 000	50 800 000	49 900 000	48 900 000

5. Figure out the step in each sequence then use the number line below to help you count forwards and backwards to complete them.



- A. **-7** **-5** **-3** **-1** **1** **3** **5** **7**
- B. -17°C -12°C -7°C **-2°C** **3°C** **8°C** **13°C** **18°C**
- C. **-16** **-11** **-6** **-1** 4 9 **14** 19
- D. -31 **-23** **-15** **-7** 1 9 17 25
- E. **-£18** **-£14** **-£10** -£6 -£2 **2** **6** **10**
- F. **-11.5°C** **-7°C** **-2.5°C** **2°C** **6.5°C** 11°C 15.5°C 20°C

1. 143 687

Nearest 10 000 = 140 000
Nearest 100 000 = 100 000

2. 487 245

Nearest 10 000 = 490 000
Nearest 100 000 = 500 000

3. 160 000

This is rounded to the nearest 10 000
The range of precise attendance is 155 000 to 164 499

Angles work - identifying angles up to 180°



The angle marked is
30 degrees.



- a) How do you know, just by looking at the angle, that it is not 30 degrees?

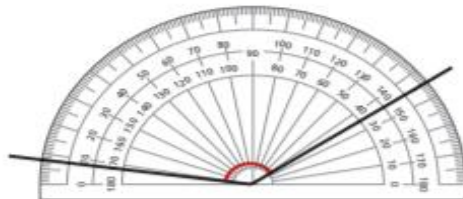
It is greater than 90°

- b) What mistake do you think Annie has made?

She has read the wrong number off the protractor.

- a. 32° acute
- b. 59° acute
- c. 115° obtuse
- d. 167° obtuse
- e. 180° straight angle

Scott is trying to measure the obtuse angle.



What mistake has Scott made?

The protractor isn't lined up with one of the lines from
the angle so he isn't measuring from 0

Tuesday

Revision: Multiplication and Division

Complete Multiplication Square

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

Mild

Complete the sentences to describe the multiplication.

Th	H	T	O
 	 		  
 	 		  
 	 		  

There are ones altogether.

There are tens altogether.

There are hundreds altogether.

There are thousands altogether.

$$2,213 \times 3 = \text{ }$$

Complete the multiplication.

Use the place value chart to help you.

Th	H	T	O
oo	o		oo
oo	o		oo
oo	o		oo
oo	o		oo

		2	1	0	2
	×				4
		8	4	0	8

Complete the multiplications.

a) $3,126 \times 3 = 9,378$

c) $4,132 \times 6 = 24,792$

[illegible]

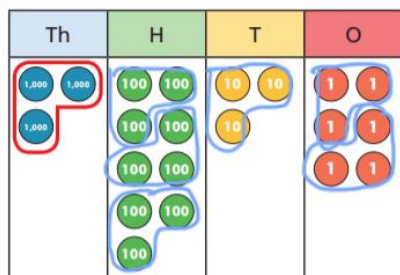
b) $4,812 \times 2 = 9,624$

d) $1,502 \times 5 = 7,510$

[illegible]

- a) Circle the groups of 3 to help you complete the sentences and calculation.

The first step has been done for you.



		1	3	1	2
3	3	9	3	6	

There is group of 3 thousands.

There are groups of 3 hundreds.

There is group of 3 tens.

There are groups of 3 ones.

$$3,936 \div 3 = \text{1,312}$$

Complete the divisions.

a)

		0	7	1	2	
5	3	3	5	6	0	

d)

		1	6	3	1	
6	9	3	7	8	6	

b)

		0	3	0	4	
9	2	2	7	3	6	

e)

		1	5	6	1	
3	4	6	8	3		

c)

		1	6	3	1	
4	6	2	5	2	4	

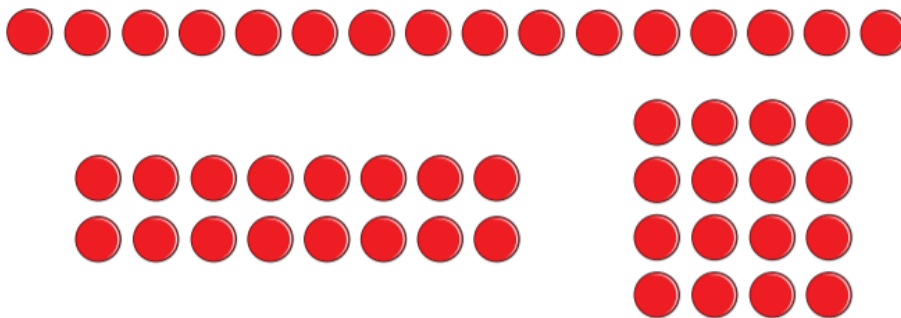
f)

		2	0	7	9	
1	2	0	7	9		

Identifying Prime Numbers 1 to 100

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

a) Use 16 counters to make these arrays.



b) What do you notice about the shape of one of the arrays?

It's a square.

Medium

A football stadium holds 2,214 people.

The stadium is full for 4 matches in a row.

What was the attendance for all 4 matches?

Th	H	T	O
1,000 1,000	100 100	10	1 1 1 1
1,000 1,000	100 100	10	1 1 1 1
1,000 1,000	100 100	10	1 1 1 1
1,000 1,000	100 100	10	1 1 1 1

		2	2	1	4	
	x				4	
		8	8	5	6	
				1		

The attendance for all 4 matches was 8,856

Work out these multiplications.

$$2,846 \times 2 = \boxed{5,692}$$

$$2,846 \times 4 = \boxed{11,384}$$

$$2,846 \times 8 = \boxed{22,768}$$

What do you notice about the answers?

1.

		1	6	1
x			2	3
		4	8	3
	3	2	2	0
	3	7	0	3

2.

		2	3	2
x			2	6
	1	3	9	2
	4	6	4	0
	6	0	3	2

3.

		6	1	4
x			1	8
	4	9	1	2
	6	1	4	0
1	1	0	5	2

4.

		9	6	9
x			9	5
	4	8	4	5
8	7	2	1	0
9	2	0	5	5

1.

		2	1	9	0
x				6	9
	1	9	7	1	0
1	3	1	4	0	0
1	5	1	1	1	0

2.

		1	3	4	2
x				5	2
	2	6	8	4	
	6	7	1	0	0
	6	9	7	8	4

3.

		1	5	2	1
x				7	3
	4	5	6	3	
1	0	6	4	7	0
1	1	1	0	3	3

4.

		1	1	4	3
x				3	4
	4	5	7	2	
	3	4	2	9	0
	3	8	8	6	2

1.						
	2	0	r	1		
2	4	1				

2.						
		3	2	r	1	
8	2	5	7			

3.						
		4	4	r	3	
9	3	9	9			

4.						
		4	2	r	4	
5	2	1	4			

5.						
		7	7	r	6	
7	5	4	5			

6.						
		9	6	r	3	
9	8	6	7			

Recalling Prime Numbers 0-19

A. Write out the prime numbers between 0-19 with your weaker hand!

2, 3, 5, 7, 11, 13, 17, 19

B. Write the prime numbers out in descending order

(highest to lowest).

19, 17, 13, 11, 7, 5, 3, 2

C. Which three prime numbers are missing?

13, 7, 19, 2, 5, 3, 17, 11

D. Circle the prime numbers.

six
 fifteen

one **19** nine

15

7 17 ~~15~~ thirteen

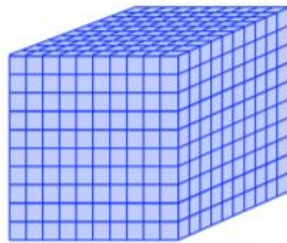
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Cube Numbers

1 ³	1 × 1 × 1 = 1
2 ³	2 × 2 × 2 = 8
3 ³	3 × 3 × 3 = 27
4 ³	4 × 4 × 4 = 64
5 ³	5 × 5 × 5 = 125
6 ³	6 × 6 × 6 = 216
7 ³	7 × 7 × 7 = 343
8 ³	8 × 8 × 8 = 512
9 ³	9 × 9 × 9 = 729
10 ³	10 × 10 × 10 = 1000
11 ³	11 × 11 × 11 = 1331
12 ³	12 × 12 × 12 = 1728
13 ³	13 × 13 × 13 = 2197
14 ³	14 × 14 × 14 = 2744
15 ³	15 × 15 × 15 = 3375

Formed by multiplying a digit by itself 3 times.

e.g. 10 × 10 × 10 = 1000
which can be shown as:
10³ = 1000
10 cubed = 1000
10x10x10 cube



Square Numbers

1 ²	1 × 1 = 1
2 ²	2 × 2 = 4
3 ²	3 × 3 = 9
4 ²	4 × 4 = 16
5 ²	5 × 5 = 25
6 ²	6 × 6 = 36
7 ²	7 × 7 = 49
8 ²	8 × 8 = 64
9 ²	9 × 9 = 81
10 ²	10 × 10 = 100
11 ²	11 × 11 = 121
12 ²	12 × 12 = 144
13 ²	13 × 13 = 169
14 ²	14 × 14 = 196
15 ²	15 × 15 = 225

The product of a number multiplied by itself.

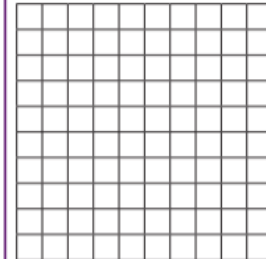
e.g. 10 × 10 = 100

which can be shown as:

10² = 100

10 squared = 100

10 × 10 = 100



Spicy

1.

		1	6	1
x			2	3
		4	8	3
	3	2	2	0
	3	7	0	3

2.

		2	3	2
x			2	6
	1	3	9	2
	4	6	4	0
	6	0	3	2

3.

		6	1	4
x			1	8
	4	9	1	2
	6	1	4	0
1	1	0	5	2

4.

		9	6	9
x			9	5
	4	8	4	5
8	7	2	1	0
9	2	0	5	5

5.

		7	4	0
x			9	6
	4	4	4	0
6	6	6	0	0
7	1	0	4	0

6.

		3	6	2
x			5	8
	2	8	9	6
1	8	1	0	0
2	0	9	9	6

7.

		3	0	5
x			7	1
	3	0	5	
2	1	3	5	0
2	1	6	5	5

8.

		3	7	0
x			6	4
	1	4	8	0
2	2	2	0	0
2	3	6	8	0

1.

		2	1	9	0
×				6	9
	1	9	7	1	0
1	3	1	4	0	0
1	5	1	1	1	0

2.

		1	3	4	2
×				5	2
		2	6	8	4
	6	7	1	0	0
	6	9	7	8	4

3.

		1	5	2	1
×				7	3
		4	5	6	3
1	0	6	4	7	0
1	1	1	0	3	3

4.

		1	1	4	3
×				3	4
		4	5	7	2
	3	4	2	9	0
	3	8	8	6	2

5.

		2	4	6	8
×				2	7
	1	7	2	7	6
	4	9	3	6	0
	6	6	6	3	6

6.

		1	8	9	5
×				4	6
	1	1	3	7	0
	7	5	8	0	0
	8	7	1	7	0

Use each digit card once to write a multiplication.

1	2	3	4	5
---	---	---	---	---

	×				

How many different products can you find?

Various answers.

What is the closest product to 8,000?

8,270

1.

	2	0	r	1	
2	4	1			

2.

		3	2	r	1
8	2	5	7		

3.

		4	4	r	3
9	3	9	9		

4.

		4	2	r	4
5	2	1	4		

5.

		7	7	r	6	
7	5	4	5			

6.

		9	6	r	3	
9	8	6	7			

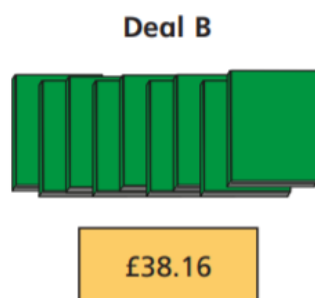
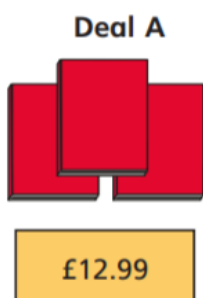
a)

		2	2	4	1	
	4	8	9	6	4	

b)

		3	2	6	2	
	2	6	5	2	4	

Books are available to buy in three different deals.



Which is the best deal?

Deal B

Show your workings.

Complete the statements.

a) $6^2 =$ 36

d) $0^2 =$ 0

b) $12^2 =$ 144

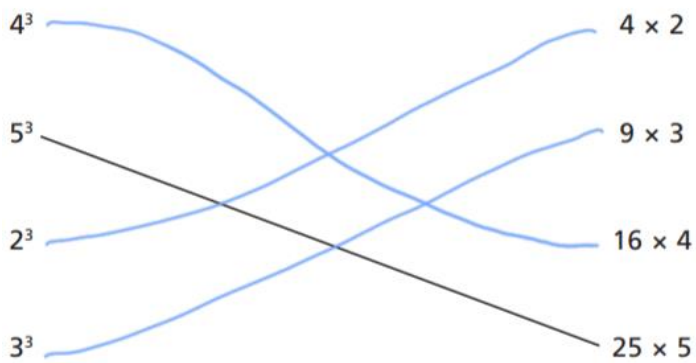
e) 10² = 100

c) 81 = 9²

f) 64 = 8²

Match the cube numbers to the calculations.

One has been done for you.



Wednesday

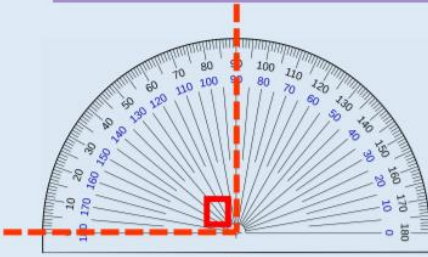
Fluent in 5

1. $547 \div 10 = \mathbf{54.7}$ (M)
2. $34 \times 7 = \mathbf{238}$ (W)
3. $4 + 9 + 1 = \mathbf{14}$ (M)
4. $432 \div 7 = \mathbf{61 \text{ r } 5}$ or $\mathbf{65 \frac{5}{7}}$ (W)

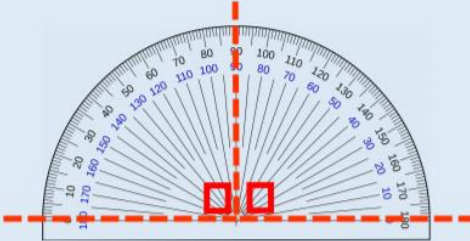
Measure and identify angles on a straight line

QUICK RECAP

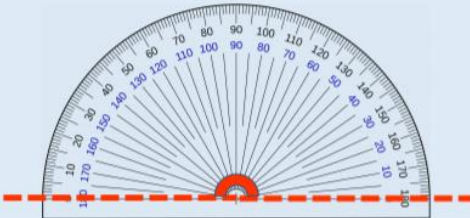
Fill in the blanks.



There are 90 degrees in a right angle.



There are 2 right angles on a straight line.

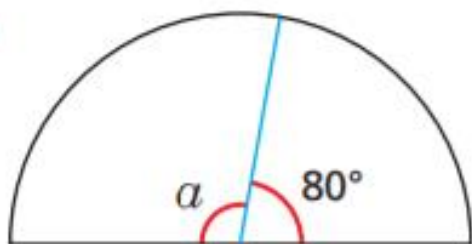


There are 180 degrees on a straight line.

Mild

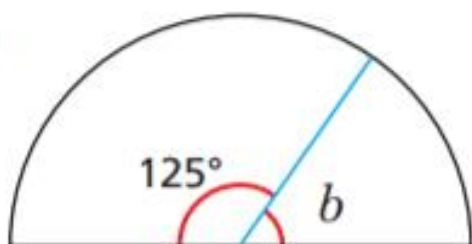
Work out the sizes of the unknown angles.

a)



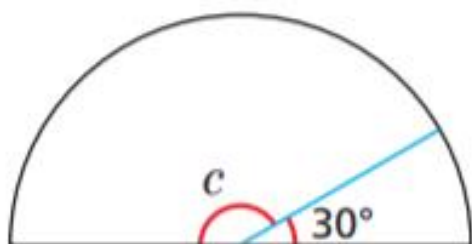
$$a = \boxed{100}^{\circ}$$

b)



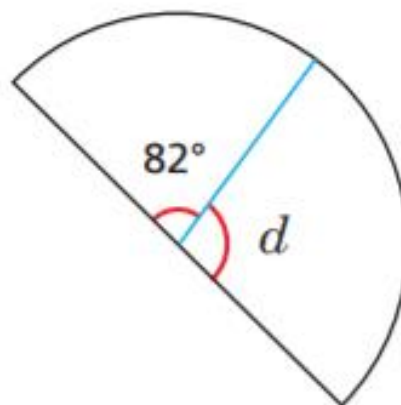
$$b = \boxed{55}^{\circ}$$

c)



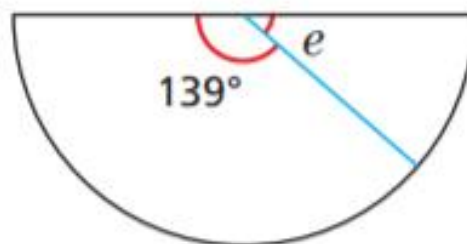
$$c = \boxed{150}^{\circ}$$

d)



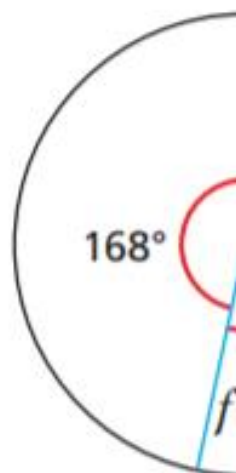
$$d = \boxed{98}^{\circ}$$

e)



$$e = \boxed{41}^{\circ}$$

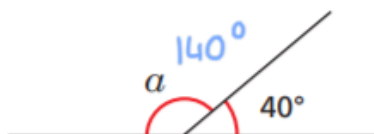
f)



$$f = \boxed{12}^{\circ}$$

Work out the size of the unknown angles.

a)



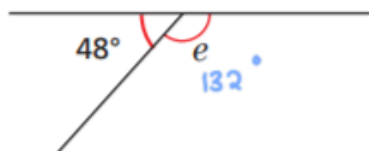
d)



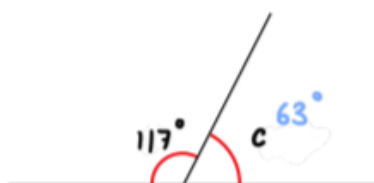
b)



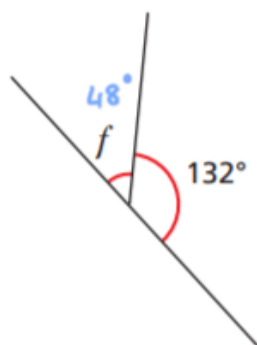
e)



c)



f)



2) a) 141°

b) 76°

c) 71°

d) 76°

Dora draws two angles.



AB is a straight line.



Do you agree with Dora? No

Explain your answer.

True. 15 minutes is a right angle and therefore 30 minutes is two right angles – 180 degrees.
Jen has turned half a turn.

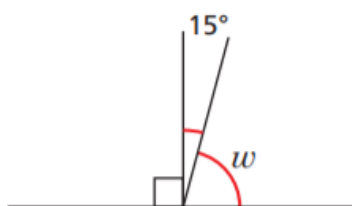
Accept any correct answer, for example - 3 o'clock to 9 o'clock / 4 o'clock to 10 o'clock / 5 o'clock to 11 o'clock / 12 o'clock to 6 o'clock / 1 o'clock to 7 o'clock.

Spicy

Work out the size of the unknown angles.

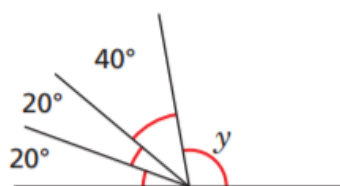
Show the steps in your working.

a)



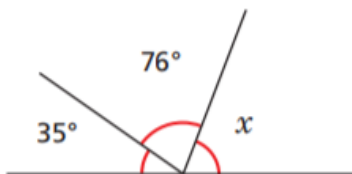
$$w = \boxed{75}^{\circ}$$

c)



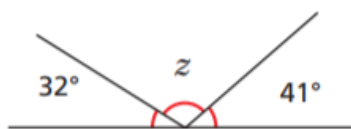
$$y = \boxed{100}^{\circ}$$

b)



$$x = \boxed{69}^{\circ}$$

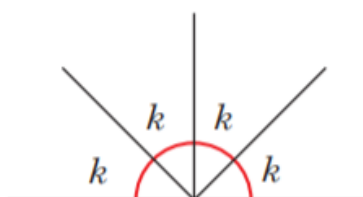
d)



$$z = \boxed{107}^{\circ}$$

Work out the sizes of the unknown angles.

a)



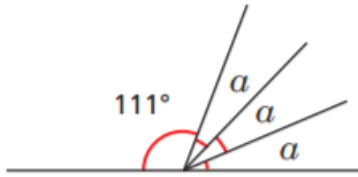
$$k = \boxed{45}^{\circ}$$

b)



$$g = \boxed{30}^{\circ}$$

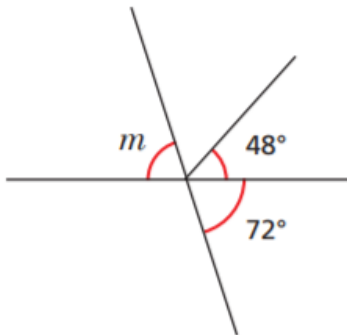
Work out the size of angle a .



$$a = \boxed{23}^{\circ}$$

Work out the size of angle m .

Show all your working out.

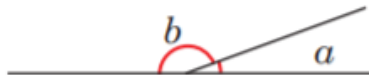


$$m = \boxed{72}^{\circ}$$

Two angles are marked.

Angle b is eight times the size of angle a .

What is the size of each angle?



$$a = \boxed{20}^{\circ} \quad b = \boxed{160}^{\circ}$$

Make sure you also have had several attempts on Times Table Rockstars today!



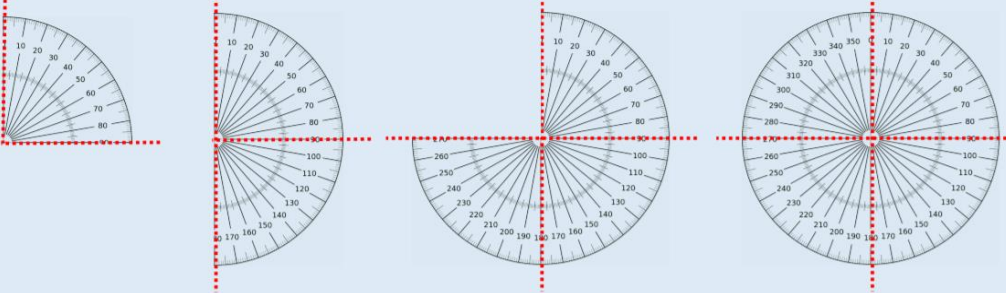
Thursday

Fluent in 5

1. $384 + 7 = \mathbf{391}$ (M)
2. $4,326 - 1,138 = \mathbf{3,188}$ (W)
3. $8 + 6 + 8 = \mathbf{22}$ (M)
4. $\mathbf{106 \text{ r } 1} = 743 \div 7$ (W)

Measure and identify angles around a point

Complete the sentences.



$\frac{1}{4}$ of a turn
= 1 right
angle
= 90°

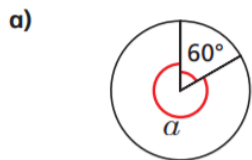
$\frac{1}{2}$ of a turn
= 2 right
angles
= 180°

$\frac{\boxed{3}}{\boxed{4}}$ of a turn
= 3 right angles
= 270°

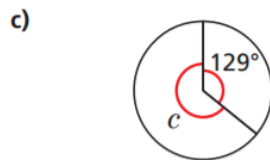
A full turn
= 4 right angles
= 360°

Mild

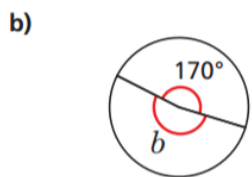
Work out the sizes of the unknown angles.



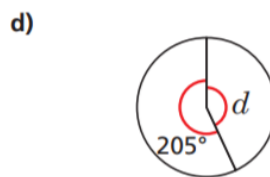
$a = \boxed{300}^\circ$



$c = \boxed{231}^\circ$

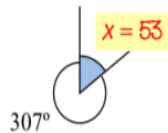


$b = \boxed{190}^\circ$

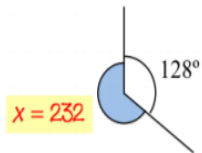


$d = \boxed{155}^\circ$

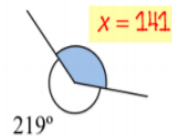
A1 Find the value x



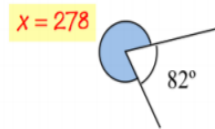
A2 Find the value x



A3 Find the value x



A4 Find the value x

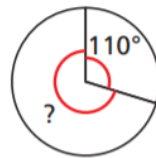


Ron turns clockwise through 110° .

He continues to turn the same way.

He wants to turn to where he was facing at the start.

How many more degrees does he need to turn through?

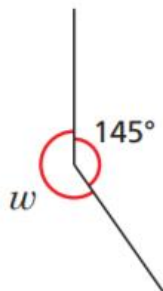


250°

Medium

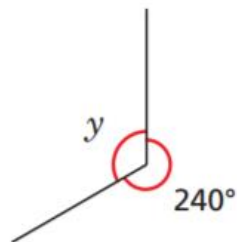
Work out the size of the unknown angles.

a)



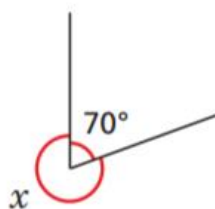
$w = 215^\circ$

c)



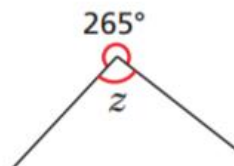
$y = 120^\circ$

b)



$x = 290^\circ$

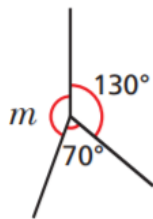
d)



$z = 95^\circ$

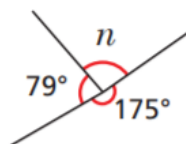
Work out the sizes of the unknown angles.

a)



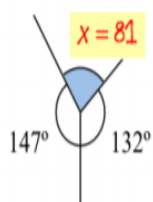
$$m = \boxed{160}^{\circ}$$

b)

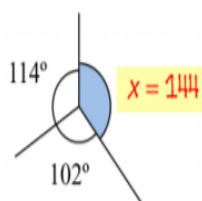


$$n = \boxed{106}^{\circ}$$

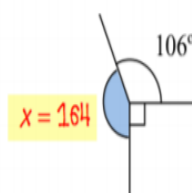
B1 Find the value x



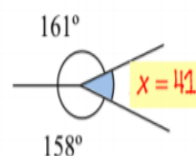
B2 Find the value x



B3 Find the value x



B4 Find the value x



Ms Hall asks her class to draw an angle of 250 degrees.



My protractor only goes up to 180 degrees.

That's true. But I think we can still use it.



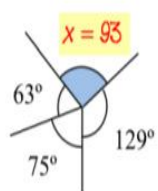
a) Explain why Alex is correct.

b) Draw an angle of 250 degrees.

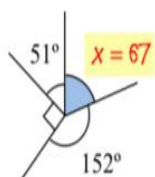


Spicy

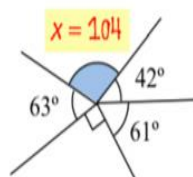
C1 Find the value of x



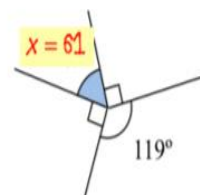
C2 Find the value of x



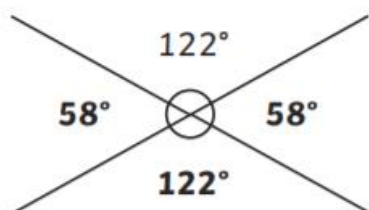
C3 Find the value of x



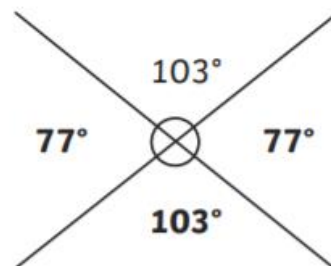
C4 Find the value of x



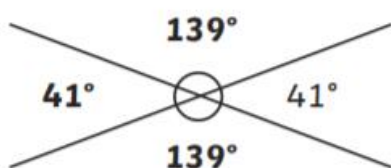
1.



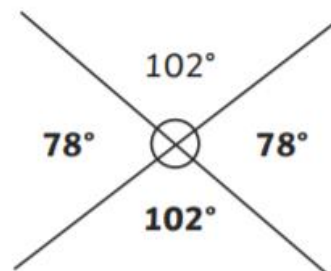
2.



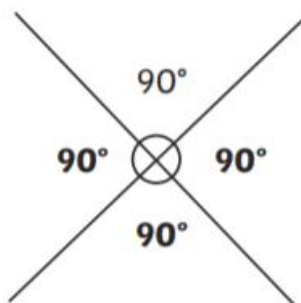
3.



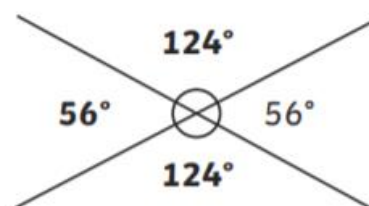
4.



5.



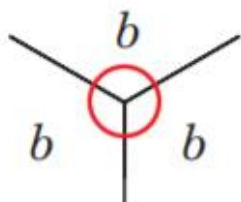
6.



Work out the sizes of the unknown angles.

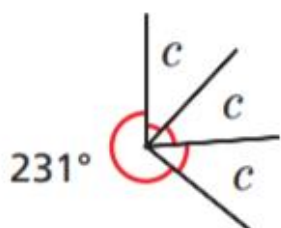
Give reasons to support your answers.

a)



$$b = \boxed{120}^{\circ} \text{ because } \underline{\text{angles around a point sum to } 360^{\circ} \text{ and } 360 \div 3 = 120}$$

b)



$$c = \boxed{43}^{\circ} \text{ because } \underline{\text{angles round a point sum to } 360^{\circ} \text{ } 360 - 231 = 129 \text{ and } 129 \div 3 = 43}$$

A circle is divided into ten equal sections.



What is the size of the angle marked g ?

$$g = \boxed{144}^{\circ}$$

Friday

Make sure you check BBC Bitesize for the Challenge ANSWERS

Key Skills

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions	
1. What is the missing number? 50 75 100 150	4:1 125	11. $84 \div 12 =$	4:9 7
2. What is the missing number? 54 72 81 90	4:1 63	12. Use $3 \times 7 \times 11 = 231$ to answer: 21×11	4:10 231
3. What is 1,000 less than 2,934?	4:2 1,934	13. $64 \times 8 =$	4:11 512
4. Round this number to the nearest 1,000: 3,275	4:2 3,000	14. Shop A sells 6 pens for £3.60. Shop B sells 2 pens for £1. Which is cheaper?	4:12 B
5. Put these numbers in order, smallest first: -1 -5 -3	4:3 -5,-3,-1	15. $\frac{1}{3} = \frac{\text{ }}{6} = \frac{3}{\text{ }}$	4:13 2, 9
6. Put these in order, smallest first: 2,395 2,593 2,359	4:4 2359, 2395, 2593	16. I have $\frac{1}{100}$ of a cake. How many hundredths do I need to make $\frac{1}{10}$?	4:14 10
7. What number does this Roman Numeral represent? LXXV	4:5 75	17. $\frac{9}{5} - \frac{2}{5}$	4:15 $\frac{7}{5}$
8. $3,473 - 1,230 =$	4:6 2,243	18. Write $\frac{36}{100}$ as a decimal number.	4:16 0.36
9. Write the sum to check $392 - 98 = 294$: $98 + \text{ } = \text{ }$	4:7 294, 392	19. What is the value of the 1 in: 3.91	4:17 $\frac{1}{100}$
10. Pencils weigh 55g. Pens weigh 73g. How heavy are 2 pencils and 1 pen?	4:8 183g	20. Round 3.6 to the nearest whole number.	4:18 4
Total (A)		Total (B)	

C: Measure and Geometry

21. Which of these is the best **estimate** for the weight of a packet of crisps?
a. 2 grams **b.** 20 grams **c.** 200 grams

4:21

b

22. Draw the hands to show:

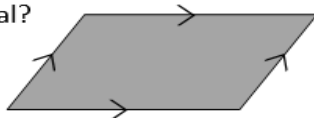
19:05



4:22

Hands drawn

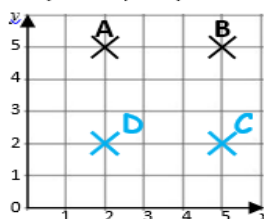
23. What is the name of this quadrilateral?



4:23

Parallelogram

24. Plot the point (5, 2). Label it C.



4:28

Point plotted

25. Points A, B and C form 3 corners of a square. Plot the fourth corner of the square and label it D.

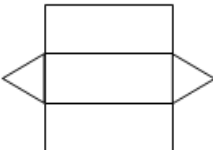
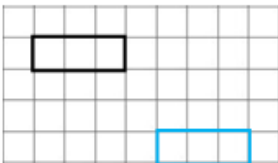
4:28

Point plotted

Total (C)

Medium and Spicy

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions	
1. Write < or > to make this correct: 501,234 495,837	5:1 >	11. Circle all the factors of 45. 2 4 <u>5</u> 12 <u>15</u>	5:8 5, 15
2. Write 23,905 in words.	5:1 Twenty three thousand, nine hundred and five	12. What special name do we give a number that has exactly two factors ?	5:9 Prime
3. Round 163,824 to the nearest ten .	5:2 163,820	13. $4,615 \div 5$	5:10 923
4. What is the missing number? 81,137 81,127 81,107	5:2 81,117	14. 50.38×1000	5:11 50,380
5. The temperature was -4°C then increased by 13°C . What is it now?	5:3 9°C	15. Circle all of the square numbers . <u>4</u> 8 <u>25</u> 30 38	5:12 4, 25
6. What number is represented by these Roman Numerals? XCIV	5:4 94	16. $\frac{3}{4} - \frac{7}{12} =$	5:13 $\frac{2}{12}$ or $\frac{1}{6}$
7. $112,498 - 48,745 =$	5:5 63,753	17. Find an equivalent fraction of $\frac{2}{6}$. 	5:14 $\frac{1}{3}$
8. $34,857 + 79,384 =$	5:5 114,241	18. Write $\frac{17}{3}$ as a mixed number .	5:15 $5\frac{2}{3}$
9. Complete this sum without written working. $29,750 - 4,250 =$	5:6 25,500	19. $3\frac{3}{4} \times 4 =$	5:16 15
10. DVDs are £9.89 each. If I buy 2, how much change do I get from £30?	5:7 £10.22	20. Round 6.72 to 1 decimal place.	5:17 6.7
Total (A)		Total (B)	

C: Measure, Geometry and Statistics																		
21. A <u>500 gram</u> bag of sugar costs £1.80. Sue needs 1.5 kilograms of sugar. How much does this cost her?		5:23 £5.40																
22. What shape is this a net of?		5:24 Triangular Prism																
23. Translate the shape: 4 units right and 3 units <u>down</u> .		5:28 Shape drawn																
24. Complete this two-way table that shows favourite drinks of adults:	<table border="1" data-bbox="533 1800 936 1968"><thead><tr><th></th><th>Tea</th><th>Coffee</th><th>Total</th></tr></thead><tbody><tr><td>Men</td><td>39</td><td>27</td><td>66</td></tr><tr><td>Women</td><td>31</td><td>49</td><td>80</td></tr><tr><td>Total</td><td>70</td><td>76</td><td>146</td></tr></tbody></table>		Tea	Coffee	Total	Men	39	27	66	Women	31	49	80	Total	70	76	146	5:30 Table completed
	Tea	Coffee	Total															
Men	39	27	66															
Women	31	49	80															
Total	70	76	146															
25. How many more women chose coffee than chose tea?		5:30 18																
Total (C)																		