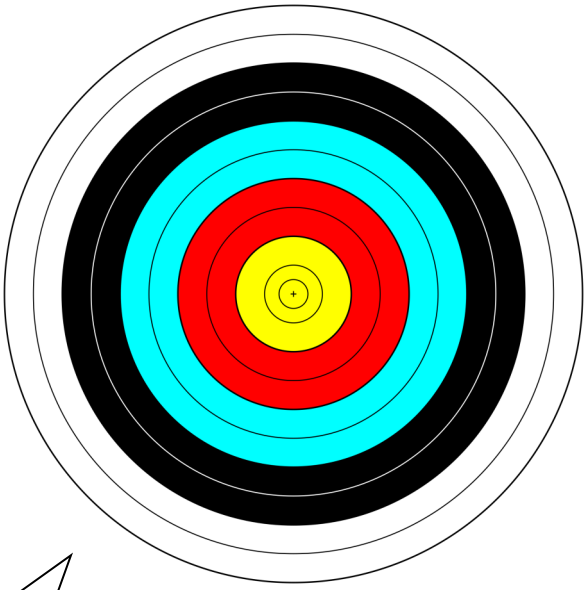
Name……

Class……



Application Archery

Term 3

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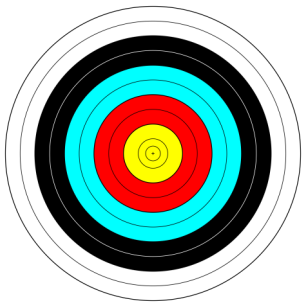
Application Archery



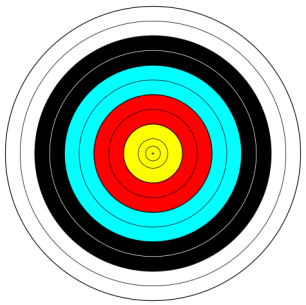
Week 1 Session 1

1	18874 to 2 sf	
2	$2\frac{3}{4}+5\frac{3}{4}$	
3	10°C less than 3°C	
4	1/4 as a decimal	
5	Write 0.25 as fraction	
6	3+4×5	
7	Which of these is not a factor of 24 1,2,3,4,5,6,8	
8	degrees in a right angles	
9	£1.34+£1.65	
10	Write the next in the pattern 2,4,6,8	

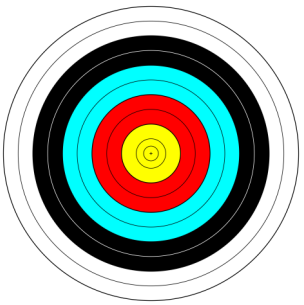
1	(-7)×(-8)	
2	$\sqrt{121}$	
3	factors of 18	
4	product of 20 and 300	
5	5.2÷4	
6	16 out of 20 as a percentage	
7	7×£1.30	
8	300×24	
9	1.7÷100	
10	10% of 14	

1	19/20 as a decimal	
2	area of a rectangle length 13 cm, width 6cm	
3	Split 20 in the ratio 4:1	
4	D=? s=30km/h t=2.5 hrs	
5	If 2 cows eat 32kg how much will 5 eat	
6	Scale on a map is 1:100000 what is the real length of 5cm on the map	
7	Max of (8±1%)	
8	r=5.2cm d=	
9	I think of a number add 3 the results is 18. What was the number?	
10	Volume of cube with length 6cm	

Key skills working area



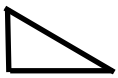
Application Archery



Week 1 Session 2

1	1874 to nearest thousand	
2	$5\frac{3}{4}-2\frac{3}{4}$	
3	10^0C more than -3^0 C	
4	write 0.25 as a percentage	
5	which is a factor of 4 and 6 8,10,24,30	
6	3-4×5	
7	degrees in a straight line	
8	£1.35-£1.65	
9	0.25 as a fraction	
10	Next in the pattern 4,1,-2...	

1	(-7)×8	
2	$\sqrt{100}$	
3	factors of 9	
4	300÷20	
5	52÷4	
6	16÷20	
7	£1.30×70	
8	0.17×100	
9	20% of 14	
10	11^2	

1	A triangle has 3 equal angles what is the size of each?	
2	Divide 100in the ratio 3:2	
3	Perimeter of a rectangle 13cm by 6cm wide	
4	825×4	
5	210×11	
6	find the mean 5,7,2,10	
7	Gradient 7 cm  5 cm	
8	D=30km s=15km/h t=?	
9	3/8 as a decimal	
10	min (8±1%)	

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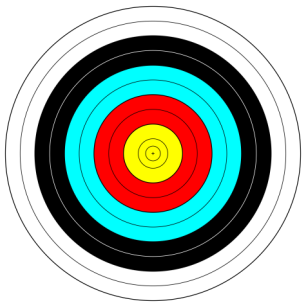
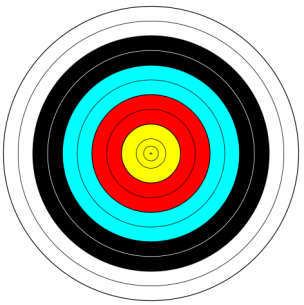
Key skills working area



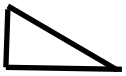
Application Archery



Week 1 Session 3

1	1874 to the nearest 1 sf	
2	$2\frac{3}{4}-5\frac{3}{4}$	
3	10^0C less than 2^0C	
4	4/16 as a decimal	
5	Write 0.2as a decimal	
6	4×5×3	
7	Next in the pattern -10,-8,-6	
8	£1.65-£1.35	
9	Write 2900 in words	
10	Bearing from NE to SE	

1	56÷(-7)	
2	$\sqrt{4}$	
3	3×3×3	
4	30×20÷10	
5	0.52÷4	
6	0.25×4	
7	13×7	
8	17×1000	
9	70% of 1.4	
10	12^2	

1	I think of a number and multiply it by4 to get 20 what was the number?	
2	Divide £4.50 in the ratio 4:5	
3	314×12	
4	Find the range of 5,7,2,10	
5	Gradient 12 cm  14 cm	
6	4b+2c when b=-3 and c=-5	
7	11.64+153.5	
8	175×32	
9	18minutes in hours	
10	Volume od a prism formula	

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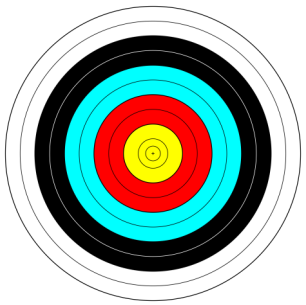
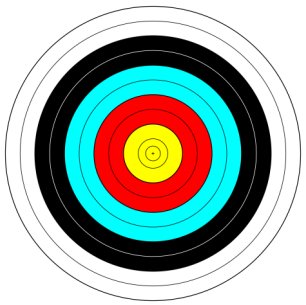
Key skills working area



Application Archery

Week 2 Session 1



1	Started at 1^0C fell by 7^0C	
2	12.9+2.6	
3	3/10 as a decimal	
4	round 6.93 to 1 dp	
5	19870 to 2 sf	
6	round 6.93 to 1dp	
7	0.15 as a fraction	
8	10-2×4	
9	Circumference of a circle	
10	£3.64+£11.43	

1	4×$1.60	
2	400×13	
3	13.6÷100	
4	25% of 120	
5	(-9)×(-10)	
6	$\sqrt{144}$	
7	factors of 32	
8	product of 40 and 800	
9	9.6÷8	
10	4^3	

1	Area of a square length 8cm	
2	17/50 as a decimal	
3	47/50 as a percentage	
4	Scale on map is 1:100000 what is the real length of a line measuring 30cm	
5	I cut 18cm from a piece of wood and have 32cm left what size did I start with?	
6	Divide 54 in the ratio 2:1	
7	207×8	
8	mean of 6,1,5,8,3	
9	0.3 hours in minutes	
10	Volume of a cylinder	

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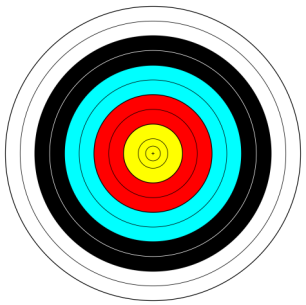
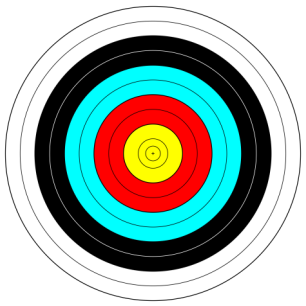
Key skills working area



Application Archery



Week 2 Session 2

1	Started 7^0C fell by 1^0C	
2	19870 to nearest 100	
3	4/10 as a decimal	
4	6.93 to 2 sf	
5	$5\frac{3}{4}-\frac{1}{2}$	
6	0.15 as a percentage	
7	2×4-10	
8	bearing from NW to S	
9	£3.64-£11.43	
10	12.9-2.6	

1	5^2	
2	400×1.3	
3	13.6×100	
4	75% of 120	
5	0.9×(-10)	
6	$\sqrt{1}$	
7	LCM of 9 and 12	
8	8×6	
9	2^3	
10	2% of 800	

1	3.1+2.6×4	
2	Divide 14.9 in the ratio 2:5	
3	Draw a line 3.1cm	
4	4.935÷7	
5	$5\frac{1}{3}+\frac{1}{7}$	
6	1 hour 30 minutes in hours	
7	40±2%	
8	z^2-10 when z=-1	
9	real length of 5cm when the scale is 1:100	
10	3120 +VAT @20%	

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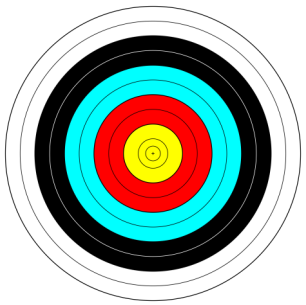
Key skills working area



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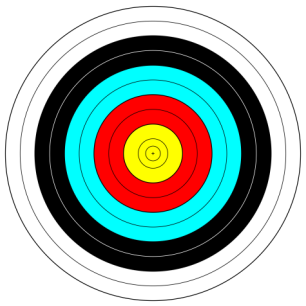

Week 2 Session 3

1	Started at 1°C fell by 0.7°C	
2	-12.9+2.6	
3	7/10 as a fraction	
4	19870 to the 2 sf	
5	$5\frac{3}{4}+1\frac{1}{2}$	
6	Round 6.93 to 1 sf	
7	Bearing from S to N	
8	10×2-4	
9	11.43-3.64	
10	circumference of a circle	

1	1.60×40	
2	300×13	
3	1.36×100	
4	50% of 120	
5	90÷(-10)	
6	$\sqrt{225}$	
7	3^3	
8	1% of 9	
9	3.2÷4	
10	10^2	

1	9234×84	
2	divide 54 in the ratio 2:1	
3	415×7	
4	6,1,5,8,3 find the range	
5	6 minutes in hours	
6	π *correct to 2 dp*	
7	Max of 90±4	
8	P=1.5a+5.4b a=6 and b=5	
9	Scale 1:100000 what does 1cm represent in metres	
10	time and half multiply by ?	

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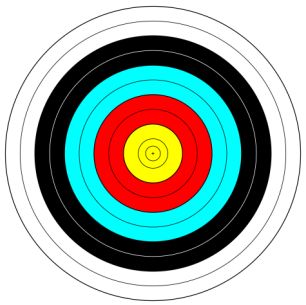
Key skills working area



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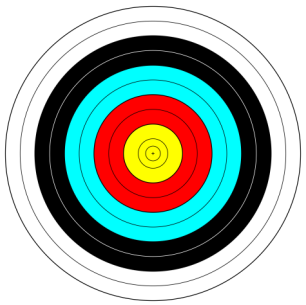

Week 3 Session 1

1	started at-4 rose by 8	
2	18.8.+7.7	
3	2/5 as a decimal	
4	19.99 round 1 dp	
5	0.000305 round to 2 sf	
6	$6\frac{3}{4}+2\frac{3}{4}$	
7	(-2)- (-4)	
8	0.04 as a fraction	
9	1+2×3	
10	Area of a square	

1	8×£1.20	
2	17×2000	
3	0.9÷100	
4	20% of 40	
5	$(-8)^2$	
6	$\sqrt{400}$	
7	factors of 17	
8	9.2÷4	
9	$\frac{1}{3}\times\frac{6}{7}$	
10	0.03×0.4	

1	4/25 as a decimal	
2	3/10 as a decimal	
3	3,7,9,9,11 find the median	
4	Scale 1:100000 what is the real length of 2.5cm	
5	Divide 30 in the ratio of 3:4	
6	I think of a number takeaway 6 and get 2. what did I start with?	
7	203×3	
8	mean of 12,16,8,8	
9	48 minutes in hours	
10	min 90±4	

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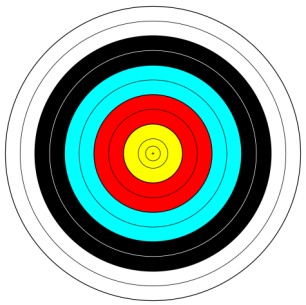
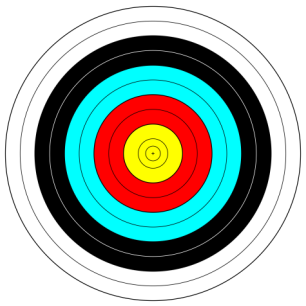
Key skills working area



Application Archery



Week 2 Session 2

1	Started -4^0C rose by 7^0C	
2	18.8-7.7	
3	3/5 as a decimal	
4	19.99 to 1 sf	
5	0.00305 to 1 sf	
6	$6\frac{3}{4} - 2\frac{1}{4}$	
7	0.04 as a percentage	
8	1-2×3	
9	(-2) +(-4)	
10	Area of triangle	

1	4^3	
2	1.20×80	
3	1.7×200	
4	0.9×100	
5	20% of 80	
6	8^2	
7	$\sqrt{361}$	
8	is 17 a prime number	
9	$\frac{1}{3} \times \frac{1}{7}$	
10	0.03×0.04	

1	a quarter of a number is 3 what was the number?	
2	divide 72 in the ratio 9:8:7	
3	421×25	
4	12,16,8,8 find the range	
5	24 minutes in hours	
6	max 7.2±0.6	
7	$61 - \frac{1}{2}$	
8	Scale 1:15000 what would 300m be in real life?	
9	find the weekly wage of £9 per hour for 40 hours	
10	VAT is charged at	

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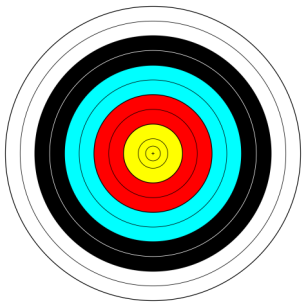
Key skills working area



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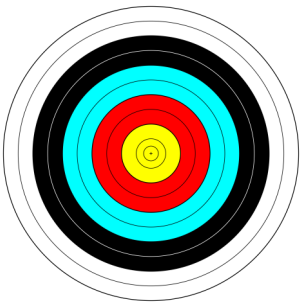

Week 3 Session 3

1	Area of a circle	
2	0.00305how many significant figures	
3	0.4 as a percent-age	
4	4-(-2)	
5	Started at -4^0C	
6	7.7-18.8	
7	3/5 as a decimal	
8	1-2×3	
9	19.99 to 1 sf	
10	$2\frac{3}{4}+2\frac{1}{4}$	

1	5^3	
2	17×0.2	
3	0.09×200	
4	20% of 15	
5	(-8)×(-2)	
6	$\sqrt{16}$	
7	is 2 a factor of 18?	
8	49÷7	
9	$\frac{3}{5}\times\frac{1}{7}$	
10	-0.3×0.4	

1	Divide 750 in the ratio 1:2:7	
2	706×5	
3	12,16,8,8 mode	
4	54 minutes in hours	
5	min of 7.2±0.6	
6	$(m-n)^2$ m=2 and n=4	
7	1:15000 how many cm would 45m be	
8	weekly wage when £8.25 per hour for 38 hours	
9	D=40km s=20km/h	
10	for double time multiply by?	

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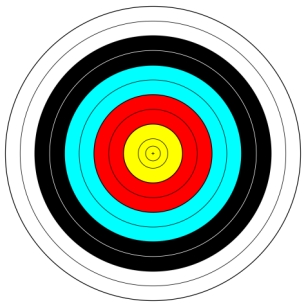
Key skills working area



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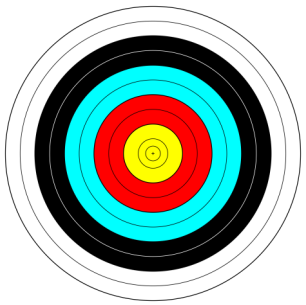

Week 4 Session 1

1	7.7+0.36	
2	round 4.206 to 2 dp	
3	1/5 as a decimal	
4	Area of a triangle	
5	0-(-6)	
6	8 out of 10 as a percentage	
7	months in a year	
8	£4.63+£2.24	
9	1/8 of 40	
10	if I turn a bearing of 090^0 from West	

1	5×207	
2	7×14	
3	5^3	
4	$\frac{2}{3}\times\frac{3}{4}$	
5	0.7×0.02	
6	20% of 15	
7	$\sqrt{400}$	
8	factors of 18	
9	8×0.03	
10	$66\frac{2}{3}\%\ of 12$	

1	D=? s= 40miles t=$1\frac{1}{2}$hrs	
2	A car is 2.4m and a model of it is 20cm what is the scale	
3	Divide $42.24 in the ratio 1:2:4:5	
4	421×6	
5	12,16,8,8 find the median	
6	21minutes in hours	
7	Max of 2100±50	
8	v=99, w=22 $\sqrt{v+w}$	
9	What length would you draw a 12km line in the scale of	
10	15% of 90	

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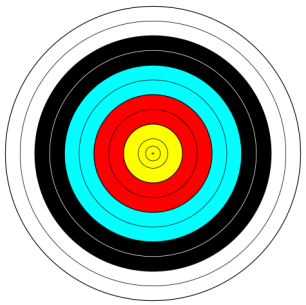
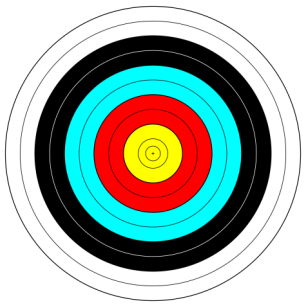
Key skills working area



Application Archery



Week 4 Session 2

1	7.7-0.36	
2	4.206 how many s.f.	
3	-6+(-1)	
4	2/5 as a decimal	
5	Pythagoras theorem	
6	6 out of 12 as a percentage	
7	weeks in a year	
8	4.43-2.21	
9	$\frac{1}{7} of\ 49$	
10	Bearing from SW to N	

1	5×102	
2	7×1.4	
3	3^3	
4	$\frac{2}{5} \times \frac{3}{4}$	
5	1.7×0.2	
6	20% of 50	
7	$\sqrt{121}$	
8	factors of 8	
9	8×0.05	
10	$33\frac{1}{3}\% of 12$	

1	Divide 5 in the ratio 3:2	
2	901×9	
3	draw $\angle ABC = 25°$	
4	45,21,63 find the mean	
5	15 minutes in hours	
6	Min of 2100±50	
7	h=6 find $2h^2 - 12$	
8	What length would you draw a 3m line in the scale 1:100	
9	weekly wage for £10.66ph for 52 hours	
10	treble means multiply by?	

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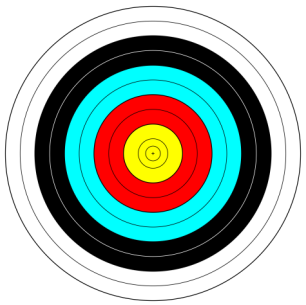
Key skills working area



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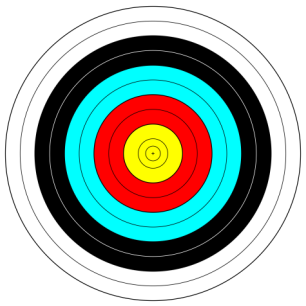

Week 4 Session 3

1	0.36-7	
2	4.206 to 1 dp	
3	-6+1	
4	3/5 as a decimal	
5	Pythagoras theorem	
6	10 out of 25 as a percentage	
7	hours in a day	
8	4.43+0.57	
9	$\frac{1}{3} of\ 360$	
10	Bearing from N to E	

1	5×104	
2	7×1.04	
3	$\frac{3}{4} \times \frac{8}{9}$	
4	1.2×0.3	
5	7^2	
6	20% of 100	
7	$\sqrt{64}$	
8	factors of 9	
9	8×1.05	
10	$33\frac{1}{3}\%\ as\ a\ fraction$	

1	mean of 4, 8,9	
2	share 12 in the ratio 1:2	
3	D=45miles s=30mph t=?	
4	402+159+73	
5	divide 3m in the ratio 1:4	
6	242×11	
7	range 45,21,63	
8	30minutes in decimal hours	
9	Max of 227±5	
10	a=10, s=3, t=22 $2as - at^2$	

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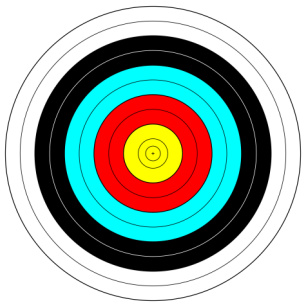
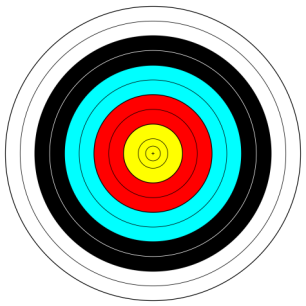
Key skills working area



Application Archery



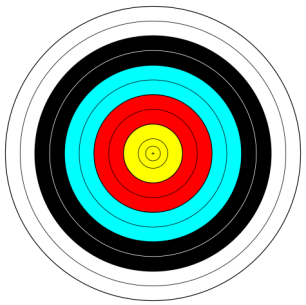
Week 5 Session 1

1	19.1-2.7	
2	5.9+0.93	
3	Round 0.913 to2 d.p	
4	2/3 as a decimal	
5	-1-(-2)	
6	15 out of 20 as a percentage	
7	-300-20	
8	£5.75-£1.24	
9	$\frac{1}{9} of\ 45$	
10	Volume of a cube	

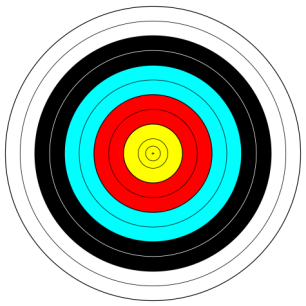
1	9×106	
2	8×16	
3	2^4	
4	$\frac{3}{4} \times \frac{5}{6}$	
5	$(0.6)^2$	
6	75% of 12	
7	factors of 20	
8	6×0.13	
9	75% of 16	
10	$\sqrt{289}$	

1	D=? s=24km, t= $2\frac{1}{4} hrs$	
2	1,17,13,8,10,6 find the median	
3	if four bars cost 36p what will three cost?	
4	50,93,43,56,85,42 closet to a square number	
5	divide $47.16 in the ratio 4:5	
6	312×11	
7	45,21,63, find the median	
8	39 minutes in hours	
9	Min of 227±5	
10	what length would you draw 25m in the scale 1:1000	

Key skills working area



Application Archery



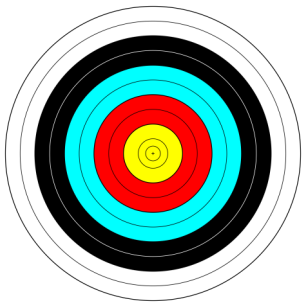
Week 5 Session 2

1	19.1+2.7	
2	5.9-0.93	
3	Round 0.913 to a whole number	
4	1-2	
5	1/3 as a decimal	
6	$12\frac{1}{2}\%$ as a fraction	
7	-300+20	
8	£5.75-£1.82	
9	$\frac{1}{9} of\ 963$	
10	Volume of a cuboid	

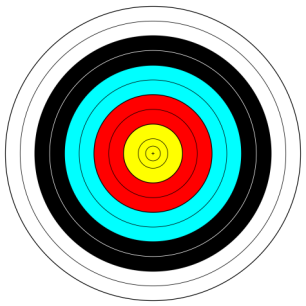
1	10×106	
2	8×12	
3	2^3	
4	$\frac{3}{7} \times \frac{1}{6}$	
5	$(-0.6)^2$	
6	50% of 12	
7	LCM of 5 and 7	
8	7×0.13	
9	75% of 240	
10	$\sqrt{144}$	

1	which is prime 50,93,56,43,85,42	
2	Divide £12 in the ratio 2:3:3	
3	407×7	
4	mean of 5,6,2,4,3	
5	45minutes in an hour	
6	Max of 120±30	
7	h=5, c=1 $\frac{1}{3}(8h - c)$	
8	what length would you draw a 50km line in a scale drawing of 1cm=20km	
9	weekly wage £12.68 for 40hours	
10	VAT is charged at?	

Key skills working area



Application Archery



Week 5 Session 3

1	Volume of a cylinder	
2	0.91325 to 3sf	
3	-5+3	
4	80 out of 120 as a percentage	
5	$\frac{1}{9}$ of 6.3	
6	-300-(-20)	
7	2/3 as a percentage	
8	5.75-1.75	
9	minutes in a hour	
10	-19.1+2.7	

1	3^2	
2	8×0.16	
3	5×106	
4	$\frac{2}{3} \times \frac{5}{6}$	
5	$(0.1)^2$	
6	50% of 1.2	
7	LCM of 2 and 10	
8	2×0.13	
9	3% of 800	
10	$\sqrt{25}$	

1	mean of 3,10,4,7	
2	share 40 in 4:1	
3	D=20m s=2-km/h t=?	
4	50,93,43,56,85,42 which are multiples of seven	
5	Divide 336 in the ratio 1:2:4	
6	318×9	
7	5,6,2,4,3 find the range	
8	0.8hours in minutes	
9	min 120±30	
10	a=20, b=5 $4a + 3b$	

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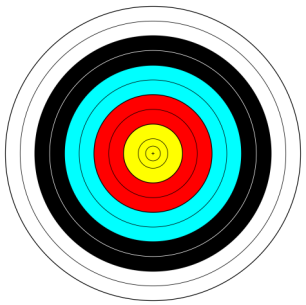
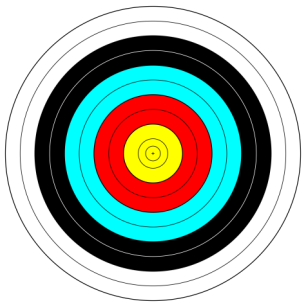
Key skills working area



Application Archery



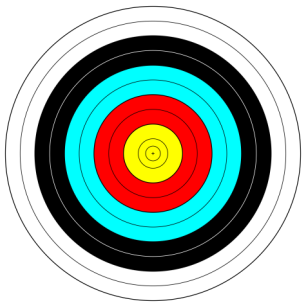
Week 6 Session 1

1	12.3-8.4	
2	0.81+2.6	
3	0.987 to 2 dp	
4	6-(-8)	
5	$3\frac{3}{5}$ as a decimal	
6	68.978 to 3sf	
7	-0.7-0.7	
8	days in year	
9	£4.65-£2.45	
10	$\frac{1}{15}$ of 30	

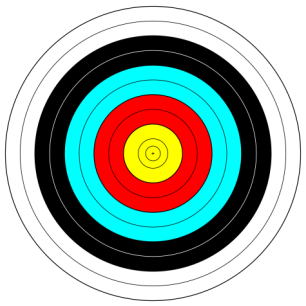
1	4×209	
2	6×18	
3	1^{10}	
4	0.2×0.4	
5	40% of 60	
6	4×0.23	
7	$12\frac{1}{2}\%$ of \$40	
8	$\frac{1}{2}$ of 99	
9	24÷3	
10	$\frac{1}{4}\times\frac{1}{6}$	

1	mean 5,25	
2	D=? t=3/4 hr s=20mph	
3	three buns cost 48p what would two cost	
4	Scale 1:5000 map=4cm real life?	
5	p=3 $20-2p^2$	
6	14.6-3.21+53	
7	Divide 54 in the ratio 2:1	
8	Draw $\angle ABC = 32°$	
9	897×12	
10	4085-167	

Key skills working area



Application Archery



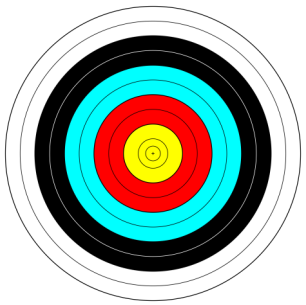
Week 6 Session 2

1	12.3+8.4	
2	0.81-2	
3	0.987 to 1 sf	
4	-6-(-8)	
5	write as a decimal $3\frac{1}{2}$	
6	6.8975 to 2 dp	
7	-7-(-7)	
8	days in April	
9	4.65+2.45	
10	$\frac{1}{10}$ of 360	

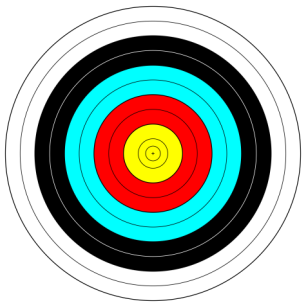
1	5×200	
2	6×1.8	
3	$\sqrt{1}$	
4	0.3×0.4	
5	50% of 60	
6	0.23×9	
7	30% of 40	
8	$\frac{1}{2}$ of 25	
9	-24÷(-8)	
10	$\frac{1}{4}\times\frac{1}{2}$	

1	437.5-95.61	
2	Divide 224 in the ration 4:3	
3	Draw $\angle ABC = 175°$	
4	716×12	
5	1,9,4,12 find the range	
6	0.85hours in minutes	
7	write in tolerance notation min 40 max 50	
8	s=19, t=12 st-12	
9	what length would I draw 15m using 1cm=2m	
10	what is the annual salary for £380 per week	

Key skills working area



Application Archery



Week 6 Session 3

1	2.5+0.9	
2	No of cm in a metre	
3	65-19	
4	£1.50-75p	
5	Pythagoras theorem	
6	0.2 as a fraction	
7	0.00752 how many sf	
8	degrees in a triangle	
9	$\frac{5}{8}+\frac{2}{8}$	
10	34-25	

1	6×800	
2	1.8×0.2	
3	$\sqrt{64}$	
4	0.8÷0.4	
5	60% of 60	
6	7.2÷9	
7	$33\frac{1}{3}\%\ of\ 210$	
8	$\frac{1}{2}of\ \frac{1}{3}$	
9	24÷(-8)	
10	2^3	

1	9.32-5.6+4.27	
2	Divide 30.78 in the ratio 4:5	
3	$\angle ABC = 12°$	
4	214×4	
5	median of 19,4,12	
6	0.7 hours in minutes	
7	write in tolerance notation min 165	
8	a=4 a^2-3	
9	share 22 cm in the ratio 1:10	
10	annual salary when earning £	

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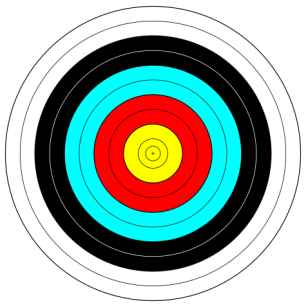
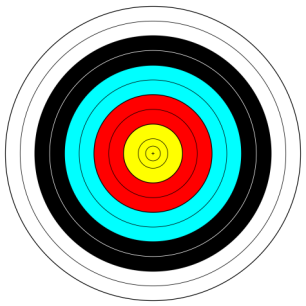
Key skills working area



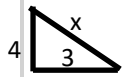
Application Archery



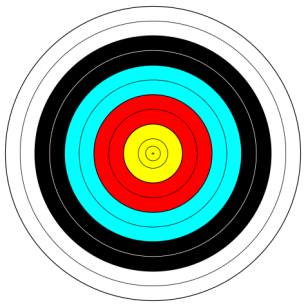
Week 7 Session 1

1	12-7.6	
2	3.508 to 2 sf	
3	18.065 to 2 dp	
4	1/8 as a percentage	
5	2 as percentage of 5	
6	0-6	
7	days in November	
8	$\frac{1}{10}$ of 200	
9	$\frac{1}{10}+\frac{1}{5}$	
10	True or false 7>-5	

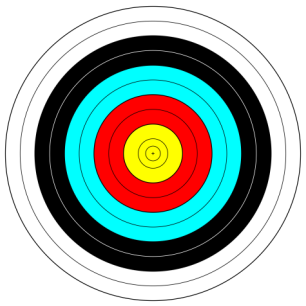
1	75% of 60	
2	2^5	
3	$\sqrt{256}$	
4	$\frac{3}{4}\times\frac{1}{3}$	
5	25% of 180	
6	7^2	
7	$\frac{3}{4}$ of $\frac{1}{3}$	
8	$\frac{1}{8}$ of 1600	
9	(-7)×10	
10	$(-12)^2$	

1	median 12,13,18,12,10	
2	a=3 $2a^3$	
3	D=50 miles s=40mph t=?	
4	find x 	
5	17.3-14.86	
6	Divide 16.80 in the ratio 3:5	
7	draw	
8	$\angle ABC = 75°$	
9	0.4hours in minutes	
10	tolerance notation min 1800, max 2100	

Key skills working area



Application Archery



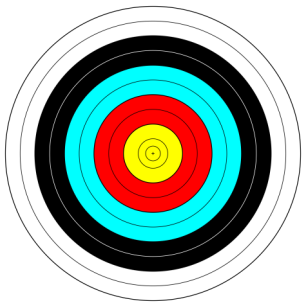
Week 7 Session 2

1	6.8+0.24	
2	What do you multiply by for time and a half?	
3	1/8 as a percentage	
4	0.000180540 how many sf	
5	3/10 as a decimal	
6	10:36am in 24hr time	
7	$\frac{1}{12}$ of 360	
8	$\frac{1}{10}+\frac{2}{5}$	
9	True or false -3>-4	
10	how many millilitres in a litre	

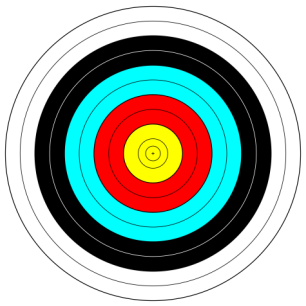
1	$\frac{3}{4}$ of 1.2	
2	$(-1)^3$	
3	$\sqrt{100}$	
4	$\frac{5}{12}\times\frac{2}{3}$	
5	$(7-5)^2$	
6	6×12	
7	10^2	
8	3.14×100	
9	$\frac{4}{100}$ of 1200	
10	(-36)÷6	

1	17.76-3.18+4.59	
2	divide 54 in the ratio 5:4	
3	Draw $\angle ABC = 90°$	
4	267×8	
5	0.6hours in minutes	
6	tolerance notation min 2.3, max 2.4	
7	a=-4 2a+7	
8	140km what length would I draw a model using scale 1: 100000	
9	Annual salary for £2376 per month	
10	6% of 32000	

Key skills working area



Application Archery



Week 7 Session 3

1	how many millilitres in 2.5litres	
2	True or false 0.7=7/10	
3	cm in a metre	
4	0.24-6	
5	$\frac{3}{10}+\frac{3}{5}$	
6	7/10 as a percentage	
7	simplify 8:4	
8	What do you multiply by for double time	
9	0.0018054 to 1 sf	
10	8% as a decimal	

1	(-36)÷(-6)	
2	$(-2)^3$	
3	$\sqrt{36}$	
4	$2\times\frac{3}{4}$	
5	$(5-7)^2$	
6	6×13	
7	75p×3	
8	7×4	
9	9×0.3	
10	3.14×10^2	

1	2.73+7.6-8.4	
2	Divide 330 in the ratio 5:6	
3	draw $\angle BAC = 120°$	
4	945÷3	
5	6.2hours in hours and minutes	
6	Tolerance min 19.8 max=22.4	
7	c=-3 2c+4	
8	what length would I draw 54km in the scale1mm=2km	
9	5% of 1800	
10	Weekly wage for 38hours at £7 per hour	

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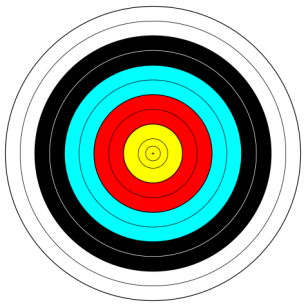
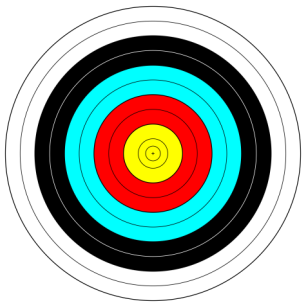
Key skills working area



Application Archery



Week 8 Session 1

1	1.207 to 2 sf	
2	12-2×5	
3	-1-(-3)	
4	£1.10-75p	
5	hours in a day	
6	what do you multiply by for time and a half	
7	Volume of a prisim	
8	£2.15+£6.05	
9	4m in millimetres	
10	time from 9.25am to 1.37pm	

1	$66\frac{2}{3}\%\ of\ 330$	
2	10^3	
3	$\sqrt{81}$	
4	$\frac{2}{3}\times\frac{2}{5}$	
5	(-8)×4	
6	10% of 220	
7	$\frac{4}{5}of\ 100$	
8	$\frac{1}{6}of\frac{1}{4}$	
9	5^2	
10	$\sqrt[3]{8}$	

1	Share 15 in the ratio 2:1	
2	D=50 s=20 t=?	
3	Pythagoras theorem	
4	13% of 420	
5	draw $\angle ABC = 95°$	
6	Express 3/7 as a decimal	
7	310÷5	
8	3.65hrs in hours and minutes	
9	Tolerance notation min 0.04 max 0.10	
10	c=-3 c^2-2	

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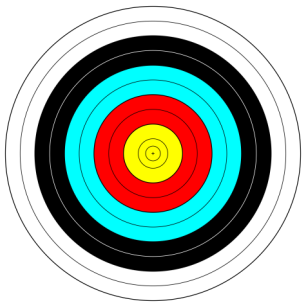
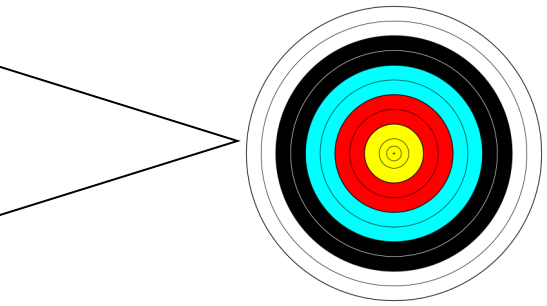
Key skills working area



Application Archery



Week 8 Session 2

1	How long from 2125 to 2340	
2	3.25+6.7	
3	$\frac{1}{2}-\frac{1}{4}$	
4	round 3.1537	
5	$\frac{2}{3}\times\frac{4}{7}$	
6	Next in the pattern 5,1,-3	
7	Write in words 9204	
8	373+451	
9	(-10)+17	
10	7×4+8	

1	$\sqrt[3]{64}$	
2	$\sqrt{9}$	
3	$33\frac{1}{3}\%\ of\ 270$	
4	$\frac{1}{2}of\frac{1}{4}$	
5	$\frac{3}{4}of\ 216$	
6	0.035×10^2	
7	50% of 75	
8	37×2	
9	$\frac{1}{3}of\ 108$	
10	9^2	

1	14.93-3.7+2.15	
2	divide 2.25 in the ratio 4:5	
3	Draw $\angle ABC = 30°$	
4	2387÷7	
5	4.8hours in hours and minutes	
6	Max 120±10%	
7	b=5 2b-5	
8	if a road is 120km and a map is drawn to a scale of 1cm = 50m how long is the road in the map	
9	Weekly wage for 32 hours at £9 per hour	
10	0.45×0.23	

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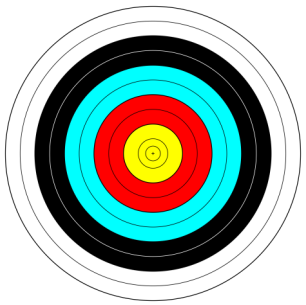
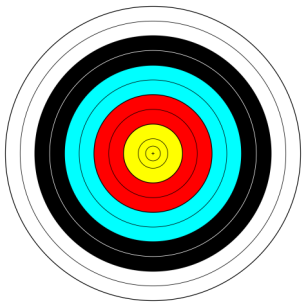
Key skills working area



Application Archery



Week 8 Session 3

1	Simplify 70/2100	
2	3-8	
3	$\frac{1}{2}+\frac{3}{4}$	
4	how long from 3.20am to 12 noon	
5	3/4 as a decimal	
6	Area of a circle	
7	£100-£7.50	
8	0.02 as a fraction	
9	241p in £	
10	degrees in aright angle	

1	49÷(-7)	
2	0.2×3×4	
3	(-5)×(-2)	
4	63÷9	
5	50% of 360	
6	$\frac{5}{6}of360$	
7	10% of 70	
8	43×4	
9	$\frac{3}{4}of48$	
10	0.1×0.1	

1	$\frac{3}{4}+\frac{1}{9}$	
2	divide 32 in the ratio 3:5	
3	Draw a line 28mm	
4	4.26÷6	
5	2.85hours in hours and minutes	
6	Min 120±10%	
7	a=-4 a^2+9	
8	if a road is 24km and a map is drawn to a scale of 1:200000 how long is the road in the map	
9	Annual salary for £2460 per month	
10	mean of 10,10,15,5	

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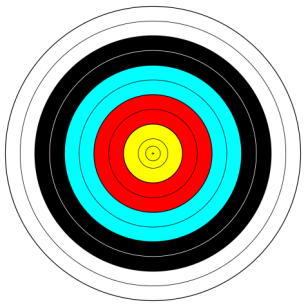
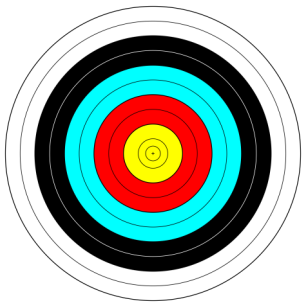
Key skills working area



Application Archery



Week 9 Session 1

1	0.91374 to 3 sf	
2	0-(-7)	
3	Area of a rectangle	
4	£4.59-£1.30	
5	3500g to kg	
6	time from 11:26 to 1140	
7	how many days in June	
8	Simplify 4/12	
9	Write 0925 in 24 hr time	
10	Area of a triangle	

1	4^3	
2	$66\frac{2}{3}\%\ of\ 630$	
3	3^2+4^2	
4	$\frac{1}{2}\times\frac{2}{3}\times\frac{3}{4}\times\frac{4}{5}$	
5	$\sqrt{64}$	
6	(-4)×4×(-2)	
7	7% of 500	
8	$\frac{7}{12}of66$	
9	$\frac{3}{8}\times\frac{1}{2}$	
10	$(-3)^2$	

1	3 boys share sweets in each get 8 sweets how many would they get if there was 4 boys?	
2	3.58-2.734	
3	Find y 10 y 6	
4	Divide 80 in the ratio 5:3	
5	draw a line of 3.6cm	
6	3256÷4	
7	7.7hrs in minutes	
8	Max of 600±5%	
9	b=5 b^2+7	
10	15km road would be what size on a map with scale 1cm=5km	

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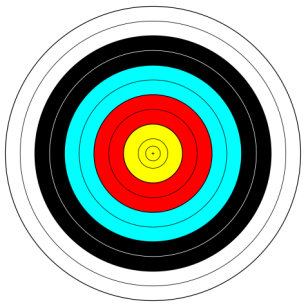
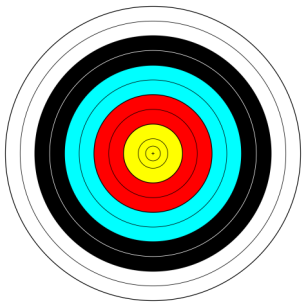


Application Archery



Week 9 Session 2

1	0.025+9	
2	65-19	
3	$\frac{5}{8}+\frac{1}{8}$	
4	Number of metres in a km	
5	days in a year	
6	£2.50+£3.25	
7	0.302576 to 1 sf	
8	days in July	
9	0.7 as a fraction	
10	Area of a triangle	

1	942÷3	
2	658×56	
3	(-10)÷(-5)	
4	$\frac{2}{3}of36$	
5	$66\frac{2}{3}\%\ of\ 9.6$	
6	65×34	
7	3×5×(-5)×10	
8	652÷4	
9	1/10 of 123	
10	9×14	

1	9.1-3.71+6.47	
2	Divide 80 in the ratio 3:7	
3	draw a line 6.8cm	
4	1284÷6	
5	$\frac{19}{20}+\frac{3}{7}$	
6	2.75hours in hours and minutes	
7	Max of 1500±1%	
8	b=5 2b+1	
9	Standard deviation describe what?	
10	range of 10,10,15,5	

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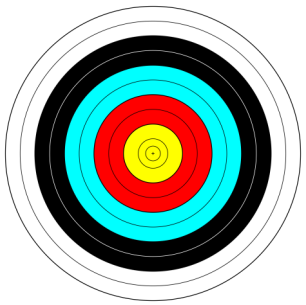

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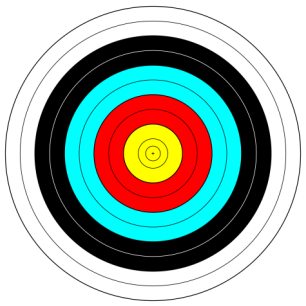


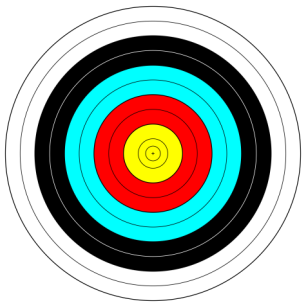
Week 9 Session 3

1	34-25	
2	46-19	
3	220cm in metres	
4	$\frac{5}{7}+\frac{1}{7}$	
5	seconds in a minute	
6	0.357257 to 2 dp	
7	days in March	
8	£10-£1.75	
9	degrees in a straight angle	
10	0.7 as a %	

1	1284÷6	
2	$\frac{3}{4}of32$	
3	12^2	
4	62×5	
5	(-50)÷(-10)	
6	$\frac{2}{3}of810$	
7	2.1×0.3	
8	-3×25×10	
9	$\frac{4}{5}of4.5$	
10	$\sqrt{49}$	

1	18.54+0.61-5.3	
2	Divide 70 in the ratio 3:2	
3	draw a line 4.2cm	
4	5920÷8	
5	$\frac{2}{3}+\frac{1}{7}$	
6	4.6 hours I hours and minutes	
7	Min 1500±1%	
8	a=-4 2a-1	
9	A road is 275m. How long would it be in a map with scale 1m=5m	
10	10,10,15,5 What is the mode?	

Key skills working area



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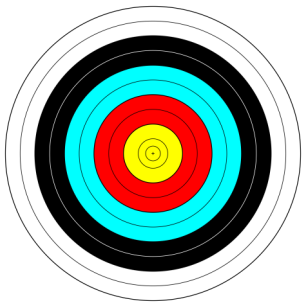

Week 10 Session 1

1	0.05 as a fraction	
2	12.076 to 3 sf	
3	2-0.15	
4	4-(-4)	
5	£4.06+£2.95	
6	2.5Litres to cl	
7	How long from 9.50am to 11.05am	
8	time from 0630 to 1630	
9	cm in a metre	
10	weeks in a year	

1	(-18)÷(-3)	
2	$\sqrt{400}$	
3	5×0.5	
4	30÷6	
5	$2\frac{1}{2}\% \; of \; 1200$	
6	$\frac{17}{20} of 40000$	
7	$\frac{2}{5} \times \frac{3}{4}$	
8	$(-1)^3$	
9	4^2	
10	$(4-1)^3$	

1	A dolls house is 40cm high. In a drawing it is 8cm high what is the scale?	
2	A bag bought for £40 was sold for £30. express the loss as a percentage	
3	formula for Area of a circle	
4	10,12,14,12,12,13, 15,12,10,10 what is the mode	
5	D=60 t=3 s=?	
6	2.4+5.46÷60	
7	divide 70 in the ratio 3:2	
8	draw a line 9.0cm	
9	2989÷7	
10	$\frac{4}{5} + \frac{3}{4}$	

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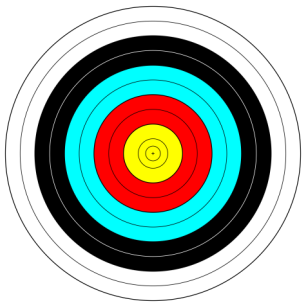

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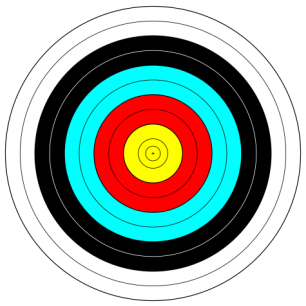

Week 10 Session 2

1	377-58	
2	$\frac{6}{7}+\frac{1}{7}$	
3	627+74	
4	Simplify 6:8:14	
5	How long from 11:10am to 1:30pm	
6	30/90 as a percentage	
7	13.09513 to 1 dp	
8	-15-17	
9	10-2.7	
10	15.6+0.156	

1	$\frac{7}{2}\times\frac{4}{5}$	
2	360÷5	
3	$\frac{11}{100}of500$	
4	-72÷12	
5	36÷6	
6	9+4×0	
7	$\frac{2}{3}of\frac{1}{2}$	
8	3^2	
9	$\sqrt{36}$	
10	12.5% of 8	

1	(846÷30)-1.09	
2	Share 187 in the ratio 5:6	
3	Draw a line 2.2cm	
4	2960÷4	
5	draw a bearing of 120^0	
6	2.8hours in hours and minutes	
7	Max of 0.6±10	
8	b=5 b^2-30	
9	Pythagoras theorem	
10	10,10,15,5 find Q_1, Q_2, Q_3	

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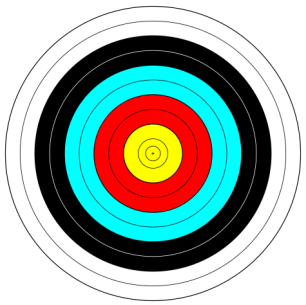

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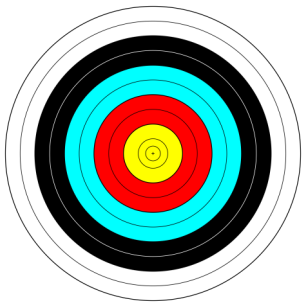

Week 10 Session 3

1	435+277	
2	$1-\frac{4}{7}$	
3	700-74	
4	Simplify 12:16:24	
5	Time from 1110 to 1745	
6	40/60 as a decimal	
7	13.0917 to 1 sf	
8	-32+17	
9	$5.50+$2.70	
10	1.1+2.2+6.6	

1	$\frac{2}{7}of\frac{4}{5}$	
2	360÷4	
3	$\frac{75}{100}of50$	
4	7.2÷12	
5	3.6÷9	
6	10×10+17	
7	2^3	
8	$\sqrt{81}$	
9	3.14×10^2	
10	37.5% of 60	

1	24.7-0.36×30	
2	share 12.4 in the ratio 2:3	
3	draw a line 52mm	
4	5880÷7	
5	$\frac{1}{4}-\frac{1}{6}$	
6	2hrs 30min in hours	
7	Max of 25±2%	
8	x=6 2x+3	
9	£60+VAT at 20%	
10	weekly wage for 16 hours at £5.50 per hour	

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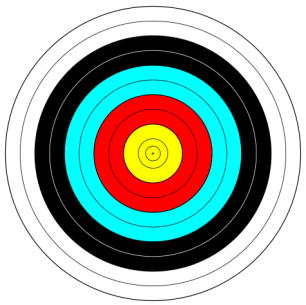
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