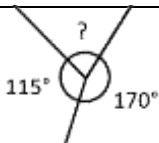
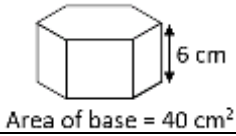


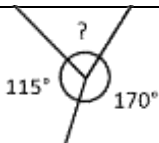
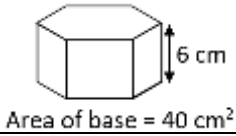


MENTAL MATH QUIZ 6:9

1)	3.7 km – 150 m	_____ km
2)	What is the value of this expression when $h=20$: $45 - \frac{1}{2}h$	
3)	Work out $4^2 - 3 \times 7$	
4)	Using the ratio of 8 km : 5 miles, how many miles in 72 km?	
5)	Apply the distributive property to factorize this expression: $4p + 28$	
6)	Put these temperatures in order, warmest first: 5°C -7°C -2°C 0°C	_____
7)	$1\frac{4}{5} - \frac{7}{8}$	
8)	Sally goes to an art shop and buys a set of watercolor paints which cost 90% of her money. She has \$8 left. How much did the paints cost?	
9)	What is $ 3 - 2 \times 5 $	
10)	Which of these expressions represents the value 'half of a number h ': a) $\frac{2}{h}$ b) $h - 2$ c) $2h$ d) $\frac{h}{2}$	
11)	Convert 0.65 into a fraction in its simplest form.	
12)	What is the value of the expression below when $n=12$ $\frac{1}{2}(n + 2)$	
13)	Sally has 4 more beads than Tyger. Tyger has half the number of beads of Frazer. If Frazer has b beads, then write an expression to show how many beads Sally has.	
14)	Solve this equation for y : $120y = 480$	
15)	What angle is missing? 	
16)	I travel for 144 miles in 3 hours at a constant speed. What was my speed?	
17)	What is the volume of this prism? 	
18)	$\frac{2}{3}$ of a number is 12. What is the number?	



MENTAL MATH QUIZ 6:9 ANSWERS

1)	3.7 km – 150 m	3.55 km
2)	What is the value of this expression when $h=20$: $45 - \frac{1}{2}h$	35
3)	Work out $4^2 - 3 \times 7$	-5
4)	Using the ratio of 8 km : 5 miles, how many miles in 72 km?	45
5)	Apply the distributive property to factorize this expression: $4p + 28$	$4(p + 7)$
6)	Put these temperatures in order, warmest first: 5°C -7°C -2°C 0°C	5°C 0°C -2°C -7°C
7)	$1\frac{4}{5} - \frac{7}{8}$	$\frac{37}{40}$
8)	Sally goes to an art shop and buys a set of watercolor paints which cost 90% of her money. She has \$8 left. How much did the paints cost?	\$72
9)	What is $ 3 - 2 \times 5 $	7
10)	Which of these expressions represents the value 'half of a number h ': a) $\frac{2}{h}$ b) $h - 2$ c) $2h$ d) $\frac{h}{2}$	d) $\frac{h}{2}$
11)	Convert 0.65 into a fraction in its simplest form.	$\frac{13}{20}$
12)	What is the value of the expression below when $n=12$ $\frac{1}{2}(n + 2)$	7
13)	Sally has 4 more beads than Tyger. Tyger has half the number of beads of Frazer. If Frazer has b beads, then write an expression to show how many beads Sally has.	$\frac{1}{2}b + 4$ or $\frac{b}{2} + 4$
14)	Solve this equation for y : $120y = 480$	$y = 4$
15)	What angle is missing? 	75°
16)	I travel for 144 miles in 3 hours at a constant speed. What was my speed?	48 miles per hour
17)	What is the volume of this prism? 	240 cm^3
18)	$\frac{2}{3}$ of a number is 12. What is the number?	18