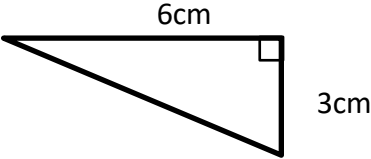




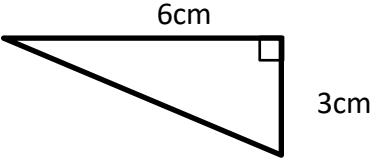
# MENTAL MATHS QUIZ 6:8

1)	Work out $3^3$	
2)	If $5x - 1 = 34$ what is the value of $x$ ?	
3)	$0.3 \times 40$	
4)	Write as a decimal $7 + \frac{12}{100}$	
5)	What is 20% of £15?	
6)	Find the median of 1.1, 1.3, 1.5, 1.2, 1.9, 0.7 and 1.1.	
7)	Estimate to the nearest 10: $14.16 \times 2.93$	
8)	What is the area of this triangle? 	
9)	$300 + 0.4 + \underline{\quad} = 307.46$	
10)	$372.6 \times 100$	
11)	6 packages each have a mass of 11 pounds. How many pounds less than 5 stone is the total weight? [14 pounds = 1 stone]	
12)	Flowers cost 70p for 10. How much would I need to pay for 25 flowers?	
13)	I need to mix brown paint using red, blue and yellow in the ratio of 2:1:3. If I need to mix 120 ml of paint, how much yellow paint will I need?	
14)	What is the value of $\frac{x + 8}{4}$ if $x = 12$	
15)	The Salamanders guessed how far a frog could jump in a minute. Captain guessed 3.2m, Sally guessed 2.7m. Tyger guessed 2.1m. In the end, the frog jumped 245cm. Whose guess was closest?	
16)	Convert $7 \frac{2}{5}$ into a decimal.	
17)	The perimeter of a regular hexagon is 42cm. What is the length of each side?	
18)	The time in New York is 16:45 (EDT). What is the time in Brisbane (AEST) which is 14 hours ahead?	





# MENTAL MATHS QUIZ 6:8 ANSWERS

1)	Work out $3^3$	<b>27</b>
2)	If $5x - 1 = 34$ what is the value of $x$ ?	<b><math>x = 7</math></b>
3)	$0.3 \times 40$	<b>12</b>
4)	Write as a decimal $7 + \frac{12}{100}$	<b>7.12</b>
5)	What is 20% of £15?	<b>£3</b>
6)	Find the median of 1.1, 1.3, 1.5, 1.2, 1.9, 0.7 and 1.1.	<b>1.2</b>
7)	Estimate to the nearest 10: $14.16 \times 2.93$	<b>40</b>
8)	What is the area of this triangle? 	<b><math>9\text{cm}^2</math></b>
9)	$300 + 0.4 + \underline{\quad} = 307.46$	<b>7.06</b>
10)	$372.6 \times 100$	<b>37260</b>
11)	6 packages each have a mass of 11 pounds. How many pounds less than 5 stone is the total weight? [14 pounds = 1 stone]	<b>4</b>
12)	Flowers cost 70p for 10. How much would I need to pay for 25 flowers?	<b>£1.75</b>
13)	I need to mix brown paint using red, blue and yellow in the ratio of 2:1:3. If I need to mix 120ml of paint, how much yellow paint will I need?	<b>60ml</b>
14)	What is the value of $\frac{x + 8}{4}$ if $x = 12$	<b>5</b>
15)	The Salamanders guessed how far a frog could jump in a minute. Captain guessed 3.2m, Sally guessed 2.7m. Tyger guessed 2.1m. In the end, the frog jumped 245cm. Whose guess was closest?	<b>Sally</b>
16)	Convert $7\frac{2}{5}$ into a decimal.	<b>7.4</b>
17)	The perimeter of a regular hexagon is 42cm. What is the length of each side?	<b>7cm</b>
18)	The time in New York is 16:45 (EDT). What is the time in Brisbane (AEST) which is 14 hours ahead?	<b>06:45</b>

