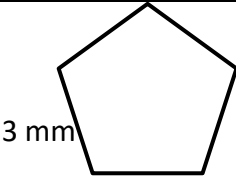
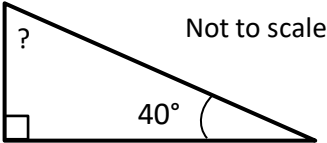


Name

Date



# MENTAL MATHS QUIZ 6:7

1)	$2^3 + 3^2$	
2)	$\frac{1}{2} + \frac{1}{3} + \underline{\quad} = 1$	
3)	$\frac{4}{9}$ of £45	
4)	Write as a decimal $3 + \frac{7}{10} + \frac{6}{100}$	
5)	$\frac{1}{2} (4 \times 5 - 6)$	
6)	The temperature is $5.5^\circ\text{C}$ . It falls by 7 degrees in the night. What is the temperature now?	
7)	What is the perimeter of this regular pentagon? 	
8)	$23 - 7 \times 3$	
9)	What is the remainder when 32 is divided by 7?	
10)	What is the missing angle? 	
11)	The ratio of lions to tigers in a zoo is 3:5. If there are 9 lions in the zoo, how many tigers are there?	
12)	I have £78. I spend £45 on some Blu-Ray discs and £12 on a T-shirt. How much money do I have left?	
13)	A toy car costs £60. It is reduced by 10% in a sale. How much does it cost in the sale?	
14)	Find the mean of 16, 12, 14, 7 and 6.	
15)	The radius of a circle is 4.8cm. What is the diameter?	
16)	In a quiz show, I get 23 out of 50 questions right. What percentage did I get right?	
17)	I manage to run a mile in 6 minutes. What is my average speed in miles per hour?	
18)	What is the probability of rolling a prime number on an 8-sided dice?	

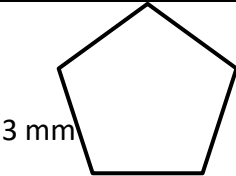
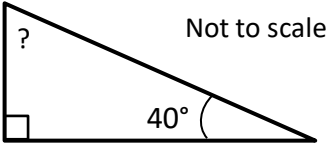


Name

Date



# MENTAL MATHS QUIZ 6:7 ANSWERS

1)	$2^3 + 3^2$	<b>8+9=17</b>
2)	$\frac{1}{2} + \frac{1}{3} + \underline{\quad} = 1$	<b><math>\frac{1}{6}</math></b>
3)	$\frac{4}{9}$ of £45	<b>£20</b>
4)	Write as a decimal $3 + \frac{7}{10} + \frac{6}{100}$	<b>3.76</b>
5)	$\frac{1}{2} (4 \times 5 - 6)$	<b>7</b>
6)	The temperature is $5.5^\circ\text{C}$ . It falls by 7 degrees in the night. What is the temperature now?	<b><math>-1.5^\circ\text{C}</math></b>
7)	What is the perimeter of this regular pentagon? 	<b>15 mm</b>
8)	$23 - 7 \times 3$	<b>2</b>
9)	What is the remainder when 32 is divided by 7?	<b>4</b>
10)	What is the missing angle? 	<b><math>50^\circ</math></b>
11)	The ratio of lions to tigers in a zoo is 3:5. If there are 9 lions in the zoo, how many tigers are there?	<b>15</b>
12)	I have £78. I spend £45 on some Blu-Ray discs and £12 on a T-shirt. How much money do I have left?	<b>£21</b>
13)	A toy car costs £60. It is reduced by 10% in a sale. How much does it cost in the sale?	<b>£54</b>
14)	Find the mean of 16, 12, 14, 7 and 6.	<b>11</b>
15)	The radius of a circle is 4.8cm. What is the diameter?	<b>9.6cm</b>
16)	In a quiz show, I get 23 out of 50 questions right. What percentage did I get right?	<b>46%</b>
17)	I manage to run a mile in 6 minutes. What is my average speed in miles per hour?	<b>10 mph</b>
18)	What is the probability of rolling a prime number on an 8-sided dice?	<b><math>\frac{1}{2}</math> or <math>\frac{4}{8}</math></b>



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