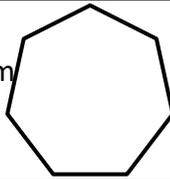


Name

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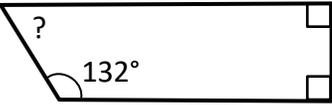
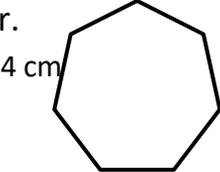


# MENTAL MATHS QUIZ 6:10

1)	$173.6 \div 100$	
2)	$5^2 - 2^3$	
3)	Find 10% of £6.70	
4)	<p>Find the missing angle on this trapezium.</p>  <p>Not to scale</p>	
5)	A ream of paper is 500 sheets. A box holds 6 reams. How many sheets in 4 boxes?	
6)	Find the range of 2.7, 3.1, 4.2, 1.9, 2.4 and 2.7.	
7)	If $x = 7$ , what is the value of $(4 - x)(2 + x)$	
8)	If 8km = 5 miles, how many miles is 48km?	
9)	<p>Name this regular shape and find its perimeter.</p> 	<p>Shape _____</p> <p>Perimeter _____</p>
10)	What is the value of $y$ if $7 - y = -3$	
11)	I run 3 miles in 20 minutes. What was my average speed in miles per hour?	
12)	I make a scale model of a tower using a scale of 1:300. If the real tower is 120 metres tall, how tall is my scale model in cm?	
13)	Captain Salamander has a box of chocolates. He gives $\frac{3}{5}$ of them to his friends. He has 14 left. How many were there to start with?	
14)	A chicken needs to be cooked for 20 minutes per pound, plus an extra 30 minutes. How long would a 7-pound chicken need cooking for?	___ h ___ min
15)	A pack of 12 pens costs £3.60. How much does one pen cost?	
16)	I buy a packet of Captain Crunch cereal. It normally has 600g, but has 20% extra free. How many grams is there in the packet?	
17)	A zoo costs £40 for an adult and £28 for a child entry. How much for 2 adults and 2 children?	
18)	A cuboid measures 4 cm by 3 cm by 2 cm. What is the volume?	



# MENTAL MATHS QUIZ 6:10 ANSWERS

1)	$173.6 \div 100$	<b>1.736</b>
2)	$5^2 - 2^3$	<b>25-8=17</b>
3)	Find 10% of £6.70	<b>£0.67</b>
4)	Find the missing angle on this trapezoid. 	<b>48°</b>
5)	A ream of paper is 500 sheets. A box holds 6 reams. How many sheets in 4 boxes?	<b>12,000</b>
6)	Find the range of 2.7, 3.1, 4.2, 1.9, 2.4 and 2.7.	<b>4.2-1.9=2.3</b>
7)	If $x = 7$ , what is the value of $(4 - x)(2 + x)$	<b>-27</b>
8)	If 8km = 5 miles, how many miles is 48km?	<b>30 miles</b>
9)	Name this regular shape and find its perimeter. 	Shape <b>heptagon</b> Perimeter <b>28 cm</b>
10)	What is the value of $y$ if $7 - y = -3$	<b><math>y = 10</math></b>
11)	I run 3 miles in 20 minutes. What was my average speed in miles per hour?	<b>9 mph</b>
12)	I make a scale model of a tower using a scale of 1:300. If the real tower is 120 metres tall, how tall is my scale model in cm?	<b>40 cm</b>
13)	Captain Salamander has a box of chocolates. He gives $\frac{3}{5}$ of them to his friends. He has 14 left. How many were there to start with?	<b>35</b>
14)	A chicken needs to be cooked for 20 minutes per 500g, plus an extra 30 minutes. How long would a $3\frac{1}{2}$ kg chicken need cooking for?	<b>2 h 50 min</b>
15)	A pack of 12 pens costs £3.60. How much does one pen cost?	<b>30p</b>
16)	I buy a packet of Captain Crunch cereal. It normally has 600g, but has 20% extra free. How many grams is there in the packet?	<b>720g</b>
17)	A zoo costs £40 for an adult and £28 for a child entry. How much for 2 adults and 2 children?	<b>£136</b>
18)	A cuboid measures 4 cm by 3 cm by 2 cm. What is the volume?	<b>24 cm<sup>3</sup></b>

