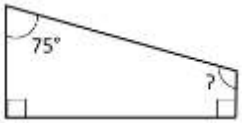
Name Date

MENTAL MATH QUIZ 6:5

1)	30% of $180	
2)	Work out 6×10^5	
3)	Work out the value of this expression: $(11 - 6 \div 2) \times 3$	
4)	Write 8.27×10^3 in standard form.	
5)	If you multiply a number by another number, it gets bigger. Is this: *always true* *sometimes true* *never true*	
6)	$3\ ^4/_5 + 1\ ^3/_4$	
7)	I put $4000 in a savings account paying 2% interest annually. How much money will I have at the end of the year?	
8)	What is the missing number: _____ feet = $8\ ^1/_3$ yards	
9)	A submarine is submerged at a depth of -120 m above sea level. It dives *p* meters further down. Write an expression to represent its height above sea level now.	
10)	Which of these values is a solution for this inequality: $5 > 2t + 1$ a) t = 4 b) t = 0 c) t = 3 d) t = 2	
11)	Tyger draws a rectangle ABCD on the coordinate grid. The coordinates of A = (-3, 5), B = (6, 5) and C = (6, 1). What are the coordinates of point D?	
12)	Find all 3 factor pairs of 45.	_____ _____ _____
13)	Solve $4x = 240$.	x = _____
14)	Southampton Salamanders score 52 points in their first two football games. They score 6 more points in their first game than their second. How many points did they score in each game?	1st Game ____ 2nd Game ____
15)	Work out $(8 - 5)^3$	
16)	What is 2 lb 8 oz + 3 lb 10 oz	____ lb ____ oz
17)	Sally watches ⅓ of a film. It takes 45 minutes. How long is the film?	___ hr ____ min
18)	What is the missing angle? 	

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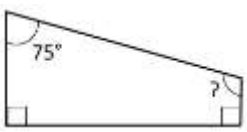
Name Date

MENTAL MATH QUIZ 6:5 ANSWERS

1)	30% of $180	**$54**
2)	Work out 6×10^5	**600,000**
3)	Work out the value of this expression: $(11 - 6 \div 2) \times 3$	**24**
4)	Write 8.27×10^3 in standard form.	**8270**
5)	If you multiply a number by another number, it gets bigger. Is this: *always true* *sometimes true* *never true*	**sometimes true** **3 x 4 bigger** **3 x ½ smaller**
6)	$3\ ^4/_5 + 1\ ^3/_4$	**$5\ ^{11}/_{20}$ or $^{111}/_{20}$**
7)	I put $4000 in a savings account paying 2% interest annually. How much money will I have at the end of the year?	**$4080**
8)	What is the missing number: _____ feet = $8\ ^1/_3$ yards	**25**
9)	A submarine is submerged at a depth of 120 m. It dives *p* meters further down. Write an expression to represent its height above sea level now.	**-120 – p** **or –(120 + p)**
10)	Which of these values is a solution for this inequality: $5 > 2t + 1$ a) t = 4 b) t = 0 c) t = 3 d) t = 2	**b) t=0**
11)	Tyger draws a rectangle ABCD on the coordinate grid. The coordinates of A = (-3, 5), B = (6, 5) and C = (6, 1). What are the coordinates of point D?	**D = (-3,1)**
12)	Find all 3 factor pairs of 45.	1 and 45 3 and 15 5 and 9
13)	Solve $4x = 240$.	$x =$ **60**
14)	Southampton Salamanders score 52 points in their first two football games. They score 6 more points in their first game than their second. How many points did they score in each game?	1st Game **29** 2nd Game **23**
15)	Work out $(8 - 5)^3$	**27**
16)	What is 2 lb 8 oz + 3 lb 10 oz	**6** lb **2** oz
17)	Sally watches ⅓ of a film. It takes 45 minutes. How long is the film?	**2** hr **15** min
18)	What is the missing angle? 	**105°**

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