

Name

Date



MENTAL MATH QUIZ 6:10

1)	What is $\frac{3}{8}$ of 120?	
2)	5000 yards = _____ miles _____ yards	
3)	Put these numbers in order, smallest first: 0.2 0.05 0.19 0.037	_____
4)	What is $2.4 + 0.6 \times 3$?	
5)	Write down as an expression: <i>'Add 2 to the number y and then multiply the result by 3'</i> .	
6)	I put \$2500 in a savings account with a 3% rate of interest for a year. How much money will I have at the end of a year?	
7)	Which is bigger: $ 4 - 3^2 $ or $ 2 \times 6 - 7 $ <i>a) $4 - 3^2$ is bigger b) $2 \times 6 - 7$ is bigger c) they are equal</i>	
8)	In an aquarium there are some angelfish and clownfish. The ratio of angelfish to clownfish is 5:3. If there are 48 fish in the aquarium, how many angelfish are there?	
9)	Solve this equation for s : $3(20 - s) = 24$	
10)	$5 \text{ lb } 8 \text{ oz} - 25 \text{ oz} = \text{_____ lb } \text{_____ oz}$	
11)	Which subscription package has the lower unit cost: <i>5 months for \$70 or 12 months for \$174?</i>	
12)	The exchange rate of \$ to £ is 1 : 0.74. If I converted \$2000 into £, how much money would I get at this rate?	
13)	Work out $2\frac{5}{9} \times 4$. Give your answer as a mixed number.	
14)	The average time to run a marathon (26 miles) is 261 minutes. How long is this in hours and minutes?	____ hours ____ minutes
15)	In a reading competition, Captain reads three as many pages as Frazer. Frazer reads 5 fewer pages than Tyger. If Tyger reads p pages, how many pages does Captain read?	
16)	It is 23°C warmer in Atlanta than Minneapolis. If the temperature in Atlanta is 7°C , what temperature is it in Minneapolis?	
17)	A nonagon has sides of $\frac{3}{4}$ inch. What is the perimeter of the nonagon? Give your answer as a mixed number.	
18)	What is the mean of this data set: 2 8 4 0 2 3 5 2 1	



MENTAL MATH QUIZ 6:10 ANSWERS

1)	What is $\frac{3}{8}$ of 120?	45
2)	5000 yards = <u>2</u> miles <u>1480</u> yards	
3)	Put these numbers in order, smallest first: 0.2 0.05 0.19 0.037	<u>0.037</u> <u>0.05</u> <u>0.19</u> <u>0.2</u>
4)	What is $2.4 + 0.6 \times 3$?	4.2
5)	Write down as an expression: 'Add 2 to the number y and then multiply the result by 3'.	$3(y + 2)$ or $(y + 2) \times 3$
6)	I put \$2500 in a savings account with a 3% rate of interest for a year. How much money will I have at the end of a year?	\$2575
7)	Which is bigger: $ 4 - 3^2 $ or $ 2 \times 6 - 7 $ a) $ 4 - 3^2 $ is bigger b) $ 2 \times 6 - 7 $ is bigger c) they are equal	c) they are equal
8)	In an aquarium there are some angelfish and clownfish. The ratio of angelfish to clownfish is 5:3. If there are 48 fish in the aquarium, how many angelfish are there?	30 angelfish
9)	Solve this equation for s : $3(20 - s) = 24$	$s = 12$
10)	5 lb 8 oz - 25 oz = <u>3</u> lb <u>15</u> oz	
11)	Which subscription package has the lower unit cost: 5 months for \$70 or 12 months for \$174?	5 months for \$70
12)	The exchange rate of \$ to £ is 1 : 0.74. If I converted \$2000 into £, how much money would I get at this rate?	£1480
13)	Work out $2 \frac{5}{9} \times 4$. Give your answer as a mixed number.	$10 \frac{2}{9}$
14)	The average time to run a marathon (26 miles) is 261 minutes. How long is this in hours and minutes?	<u>4</u> hours <u>21</u> minutes
15)	In a reading competition, Captain reads three as many pages as Frazer. Frazer reads 5 fewer pages than Tyger. If Tyger reads p pages, how many pages does Captain read?	$3(p - 5)$ or $3p - 15$
16)	It is 23°C warmer in Atlanta than Minneapolis. If the temperature in Atlanta is 7°C, what temperature is it in Minneapolis?	-16°C
17)	A nonagon has sides of $\frac{3}{4}$ inch. What is the perimeter of the nonagon? Give your answer as a mixed number.	$6 \frac{3}{4}$ inches
18)	What is the mean of this data set: 2 8 4 0 2 3 5 2 1	$27 \div 9 = 3$