



MENTAL MATH QUIZ 6:7

1)	What is the value of $4x - 5$ when $x = 9$?	
2)	$9 + 3 \times 5 - 12 \div 2$	
3)	Write 7.15×10^{-1} in standard form.	
4)	What is $\left(\frac{1}{2}\right)^3$	
5)	Which of the following expressions is equivalent to: $4(7d)$ a) $11d$ b) $4 + 7d$ c) $28d$ d) $\frac{7}{4}d$	
6)	Sally and Frazer have \$100 in total between them. Sally has \$14 more than Frazer. How much money do they each have?	Sally _____ Frazer _____
7)	What is the greatest common factor of 32 and 24?	
8)	Write $\frac{3}{8}$ as a decimal.	
9)	The temperature in Albany is -8°C . The temperature in Hampton is 7°C . Which expression shows the correct temperature difference? a) $ -8 + 7 $ b) $ -8 + 7 $ c) $ 7 + (-8) $ d) $ -8 - 7 $	
10)	What is $2\frac{4}{5} \times 1\frac{2}{3}$	
11)	Write 105 as a product of prime factors.	
12)	The volume of this prism is 135 cm^3 . What is the height of the prism?	
13)	Write $\frac{23}{5}$ as a mixed number.	
14)	A paperclip is made from 9.8 cm of wire. How many paperclips could I make from a 10 m roll of wire? <i>Circle the correct expression below:</i> a) 9.8×10 b) 9.8×1000 c) $10 \div 0.98$ d) $1000 \div 9.8$	
15)	What is 12% of 250 yards?	_____ yards
16)	What is 5 feet 4 inches + 7 feet 9 inches?	
17)	A train journey takes 8 hours 32 minutes. If I arrive at 15:20 what time did the train set off?	
18)	What 3d shape will this net make? a) tetrahedron b) octahedron c) icosahedron d) dodecahedron	



MENTAL MATH QUIZ 6:7 ANSWERS

1)	What is the value of $4x - 5$ when $x = 9$?	31
2)	$9 + 3 \times 5 - 12 \div 2$	18
3)	Write 7.15×10^{-1} in standard form.	0.715
4)	What is $\left(\frac{1}{2}\right)^3$	$\frac{1}{8}$
5)	Which of the following expressions is equivalent to: $4(7d)$ a) $11d$ b) $4 + 7d$ c) $28d$ d) $\frac{7}{4}d$	c) $28d$
6)	Sally and Frazer have \$100 in total between them. Sally has \$14 more than Frazer. How much money do they each have?	Sally <u>\$57</u> Frazer <u>\$43</u>
7)	What is the greatest common factor of 32 and 24?	8
8)	Write $\frac{3}{8}$ as a decimal.	0.375
9)	The temperature in Albany is -8°C . The temperature in Hampton is 7°C . Which expression shows the correct temperature difference? a) $ -8 + 7 $ b) $ -8 + 7 $ c) $ 7 + (-8) $ d) $ -8 - 7 $	b) $-8 + 7$
10)	What is $2\frac{4}{5} \times 1\frac{2}{3}$.	$4\frac{2}{3}$ or $4\frac{2}{3}$
11)	Write 105 as a product of prime factors.	$3 \times 5 \times 7$
12)	The volume of this prism is 135 cm^3 . What is the height of the prism?	9 cm
13)	Write $2\frac{3}{5}$ as a mixed number.	$4\frac{3}{5}$
14)	A paperclip is made from 9.8 cm of wire. How many paperclips could I make from a 10 m roll of wire? <i>Circle the correct expression below:</i> a) 9.8×10 b) 9.8×1000 c) $10 \div 0.98$ d) $1000 \div 9.8$	d) $1000 \div 9.8$
15)	What is 12% of 250 yards?	30 yards
16)	What is 5 feet 4 inches + 7 feet 9 inches?	13 feet 1 inch
17)	A train journey takes 8 hours 32 minutes. If I arrive at 15:20 what time did the train set off?	06:48 or 6:48am
18)	What 3d shape will this net make? a) tetrahedron b) octahedron c) icosahedron d) dodecahedron	b) octahedron