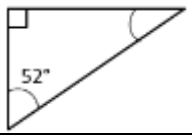
Name Date

MENTAL MATH QUIZ 6:6

1)	396 ÷ 1000	
2)	$5 \times 10^4 + 3 \times 10^2$	
3)	Simplify this expression: *6 + p + 3 + p – 4 + 2p*	
4)	Use the distributive property to expand the expression: *6 (4n – 3)*	
5)	Fill in the missing percentage below: ___ % of 80 = 24.	
6)	Put these fractions in order, smallest first: ¼ ½ ⅛ ⅕	_____ _____ _____ _____
7)	Work out ⅗ ÷ ¼. *Give your answer as a mixed number.*	
8)	A rectangle has sides of 7 inches and 9 ½ inches. What is the perimeter?	____ ft ____ in
9)	What is the value of this expression when g=4: *7 (12 – g)*	
10)	What is the best value: *5 Tyger bars for $2.60* ***or*** *3 Tyger bars for $1.80?*	
11)	Sally drives for 200 miles in her car which averages at 40 miles per gallon of gasoline. The price of gasoline is $3.50 per gallon. How much will the trip cost?	
12)	The temperature is 3°C. It falls by 9°C overnight. What did the temperature fall to?	
13)	A 4 kg bag of sugar costs $7.20. How much does the sugar cost per kilogram?	
14)	Captain has twice as many coins as Frazer. Frazer has 5 more coins than Sally. If Sally has *n* coins, write an expression to represent how many coins Captain has.	
15)	In a group of bears, the ratio of adults to cubs is 3:4. If there are 42 bears in the group, how many are cubs?	
16)	What is the missing angle? 	
17)	A regular octagon has a perimeter of 48cm. What is the length of one of the sides of the octagon?	
18)	Convert 0.36 into a fraction in its simplest form.	

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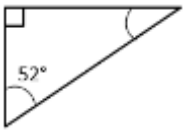
Name Date

MENTAL MATH QUIZ 6:6 ANSWERS

1)	396 ÷ 1000	**0.396**
2)	$5 \times 10^4 + 3 \times 10^2$	**50,300**
3)	Simplify this expression : *6 + p + 3 + p – 4 + 2p*	**4p + 5**
4)	Use the distributive property to expand the expression: *6 (4n – 3)*	**24n - 18**
5)	Fill in the missing percentage below: ___ % of 80 = 24.	**30%**
6)	Put these fractions in order, smallest first: ¼ ½ ⅛ ⅕	**⅛ ⅕ ¼ ½**
7)	Work out ⅗ ÷ ¼. *Give your answer as a mixed number.*	**$2\ ^{2}/_{5}$**
8)	A rectangle has sides of 7 inches and 9 ½ inches. What is the perimeter?	**2** ft **9** in
9)	What is the value of this expression when g=4: *7 (12 – g)*	**56**
10)	What is the best value: *5 Tyger bars for $2.60* ***or*** *3 Tyger bars for $1.80?*	**5 Tyger bars for $2.60**
11)	Sally drives for 200 miles in her car which averages at 40 miles per gallon of gasoline. The price of gasoline is $3.50 per gallon. How much will the trip cost?	**$17.50**
12)	The temperature is 3°C. It falls by 9°C overnight. What did the temperature fall to?	**-6°C**
13)	A 4 kg bag of sugar costs $7.20. How much does the sugar cost per kilogram?	**$1.80**
14)	Captain has twice as many coins as Frazer. Frazer has 5 more coins than Sally. If Sally has *n* coins, write an expression to represent how many coins Captain has.	**2 (n + 5) or 2n + 10**
15)	In a group of bears, the ratio of adults to cubs is 3:4. If there are 42 bears in the group, how many are cubs?	**24 cubs**
16)	What is the missing angle? 	**90° - 52° = 38°**
17)	A regular octagon has a perimeter of 48cm. What is the length of one of the sides of the octagon?	**48 ÷ 8 = 6 cm**
18)	Convert 0.36 into a fraction in its simplest form.	**$^{9}/_{25}$**

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