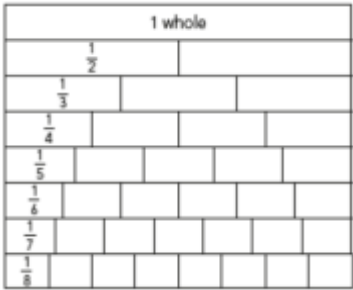


<u>MARKING GUIDELINE</u>
MATHEMATICS BASELINE TEST: JUNE/ JULY 2020
GRADE 6

1.	What is the place value of the underlined digit in <u>2</u> 89 732?	
Option	Possible Answer	Errors and Misconceptions
A.	Hundreds	Confused the place value of Hundred Thousands with that of Hundreds.
B.	Thousands	Any place value beyond hundreds is thousands.
C.	Ten Thousands	Confused the place value of Hundred Thousands with that of Ten Thousands
D.	Hundred Thousands	✓ Correct Response
2.	What is $21\,475 + 32\,384$?	
Option	Possible Answer	Errors and Misconceptions
A.	53 750	Added from left to right, carried over 1 ten to the ones digits as ones and dropped the tens digit
B.	53 759	The 100 resulting from adding the tens was not transferred or carried over to the hundreds.
C.	53 859	✓ Correct Response
D.	537 159	The answer of a Place Value column written in that column without "carrying" or transferring.

3.	What is the next number in 91; 83; 75; 67; 59... ?:	
Option	Possible Answer	Errors and Misconceptions
A.	41	Observed the pattern as decreasing in tens digit and that the ones digit follow the pattern 1,3,5,7,9
B.	49	Observed the pattern as decreasing by 1 in the tens digit and ignored the ones digit
C.	51	✓ Correct Response
D.	61	Added 2 to the ones digit and ignored the tens digit
4.	What is the correct way to write the fractions below, from smallest to largest? 	
	$\frac{4}{6}$ $\frac{1}{5}$ $\frac{2}{7}$ $\frac{4}{8}$ $\frac{2}{2}$ $\frac{4}{5}$ $\frac{3}{4}$	
Option	Possible Answer	Errors and Misconceptions
A.	$\frac{1}{5}$ $\frac{2}{2}$ $\frac{2}{7}$ $\frac{3}{4}$ $\frac{4}{5}$ $\frac{4}{6}$ $\frac{4}{8}$	Ordered by numerator, then by denominator where the numerators are the same
B.	$\frac{2}{2}$ $\frac{3}{4}$ $\frac{1}{5}$ $\frac{4}{5}$ $\frac{4}{6}$ $\frac{2}{7}$ $\frac{4}{8}$	Ordered by denominator, then by numerator where the denominators are the same
C.	$\frac{1}{5}$ $\frac{2}{7}$ $\frac{4}{8}$ $\frac{4}{6}$ $\frac{3}{4}$ $\frac{4}{5}$ $\frac{2}{2}$	correct response
D.	$\frac{1}{5}$ $\frac{2}{7}$ $\frac{4}{8}$ $\frac{3}{4}$ $\frac{4}{6}$ $\frac{4}{5}$ $\frac{2}{2}$	Did not differentiate the relative sizes of $\frac{3}{4}$ and $\frac{4}{6}$

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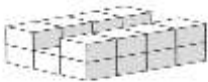
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5.	Which number makes the statement below true? $28 \times 8 = 14 \times \underline{\hspace{2cm}}$	
Option	Possible Answer	Errors and Misconceptions
A.	4	Halved 8 as was done with 28
B.	16	✓ Correct Response
C.	28	Doubled 14 which is already a half of 28.
D.	36	Added both numbers on the left of the equal sign
6.	What is the difference between 80 072 and 44 634?	
Option	Possible Answer	Errors and Misconceptions
A.	26 438	Borrowed from the next whole number other than 0 and added what is borrowed directly to the minuend
B.	35 438	✓ Correct Response
C.	44 642	Subtracted the smaller digit from the bigger one, not considering minuend and subtrahend.
D.	124 706	Added the numbers instead of subtracting. No understanding of the meaning of “difference”
7.	Trevor is a gardener and works for 2 days per week. His salary was increased by R100 to R400 per day. What was his salary per week before the increase?	
Option	Possible Answer	Errors and Misconceptions
A.	R 300	Subtracted the amounts and did not multiply by 2
B.	R 500	Added the amounts and did not use 2
C.	R 600	✓ Correct Response

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D.	R1 000	Added the amounts and multiplied by 2
8.	Which number sentence is TRUE ?	
Option	Possible Answer	Errors and Misconceptions
A.	$2 \times 5 = 5 + 2$	Understood that the order does not count when multiplying (in abstract form) and did not understand the meaning of multiplication and repeated addition
B.	$6 \times 4 = 4 \times 6$	✓ Correct Response
C.	$10 - 3 = 3 - 10$	Thought subtraction is commutative
D.	$12 \div 5 = 5 \div 12$	Thought division is commutative
9.	What is the median of the following temperatures? 39 °C 40 °C 46 °C 50 °C 40 °C 45 °C 60 °C	
Option	Possible Answer	Errors and Misconceptions
A.	40 °C	Confused median with mode.
B.	45 °C	✓ Correct Response
C.	50 °C	Identified the middle number without arranging the data
D.	60 °C	Identified the largest number
10.	What is the area of the object below? 	
Option	Possible Answer	Errors and Misconceptions

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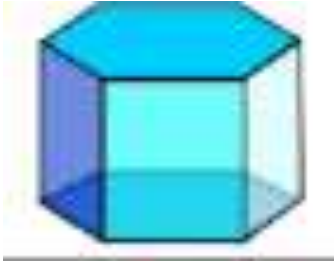
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A.	8 cm	Counted what is visible as cubes
B.	12 cm	Counted cubes from the top view
C.	14 cm	Counted the cubes that are visible
D.	20 cm ²	✓ Correct Response

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11.	What is 604×34 ?	
Option	Possible Answer	Errors and Misconceptions
A.	638	Added the numbers
B.	2 416	Multiplied by 4 and ignored the tens
C.	18 120	Multiplied by 30 instead of 34.
D.	20 536	✓ Correct Response
12.	How many faces are there in the following figure?	
		
Option	Possible Answer	Errors and Misconceptions
A.	3 faces	Counted only the visible faces on the sides
B.	4 faces	Counted the 3 visible faces on the sides and the top one
C.	5 faces	Counted the visible faces including the one at the bottom
D.	8 faces	✓ Correct Response

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13.	Which are the first five prime numbers?	
Option	Possible Answer	Errors and Misconceptions
A.	1, 2, 3, 5 and 7	Confused one as a prime number
B.	1, 3, 5, 7 and 9	Confused prime numbers with odd numbers
C.	2, 3, 5, 7 and 11	✓ Correct Response
D.	3, 5, 7, 11 and 13	Thought prime numbers are odd numbers except 1
14.	How many sides does a regular pentagon have?	
Option	Possible Answer	Errors and Misconceptions
A.	8 sides	Confused pentagons with octagons
B.	7 sides	Confused pentagons with heptagons
C.	6 sides	Confused pentagons with hexagons
D.	5 sides	✓ Correct Response
15.	Jafta lives in a farmhouse with his parents and 2 sisters. There are also 2 dogs and 12 chicken in the farm. How many legs are there in the farm altogether?	
Option	Possible Answer	Errors and Misconceptions
A.	16 legs	Added the numbers.
B.	19 legs	Counted the number of heads
C.	38 legs	Assumed everything has two legs

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D.	42 legs	✓ Correct Response
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