Question 1	ANSWERS
(a) How many "thirds" are there in $3\frac{1}{3}$	(a)
(b) How many "quarters" are there in 3 ½	(b)
Question 2	
Write as a mixed fraction	
(a) $\frac{7}{4}$	(a)
4	
(b) $\frac{43}{8}$	(b)
Question 3	
Simplify:	
	(a)
(a) $\frac{5}{9} + \frac{5}{9} - \frac{4}{9}$	(α/
(b) $4 - \frac{7}{10}$	(b)
Question 4	
Express each fractions in its simplest form:	
	(a)
(a) $\frac{6}{15}$	
(b) 45 ·	(b)
Question 5	
Write each fraction as a decimal:	
(a) $3\frac{12}{1000}$	(a)
13	
(b) $\frac{13}{50}$	(b)
Question 6	
Simplify:	
	(a)
(a) 1·26 × 1000	
(b) 1·26 × 5	
	(4.)
	(b)
(c) 1·26 × 1·8	
(9) 1 20 11 10	(c)
·	(0)

Quest	on 7	-
Find th	ne value of:	
(a)	2.9 + 1 + 0.22	(a)
(a)	2.9 + 1 + 0.22	
(b)	$3 \cdot 45 - 1 \cdot 8$	(b)
	4 7 20	
(c)	4 7-28	(c)
(d)	5 7.28	
(u)	5 ) 1.28	(d)
Quest	ion 8	
1	these percentages as a decimal:	
AAUG	meso percentages as a assimali	(a)
(a) 3	%	
(b) 37	7 1/4 %	
1		(b)
Quest	ion 9	\
Find t	he value of:	\
(a)	5+3×2	(a)
(4)		
(b)	$3 + 5 \times 4 - 1$	(b)
(0)		1
(0)	$\frac{12+8}{2+3}$	(c)
(c)	2+3	
1,,,	2 (7 4) 2	(-1)
(d)	$3\times(7-1)\div2$	(q)
Ques	ion 10	}
(a)	List the first 10 multiples of	
	(i) 10	(a) Write answer
and	(ii) 6	←—— here
	``	
(b)	From this list write down all the "common" multiples of 10 and 6	(b) Write answer
(4)		← here
(c)	What is the L.C.M. ( <i>lowest</i> common multiple) of 10 and 6	(c)
(6)	THIRD IS THE LEGITLE COMMON HOMEPOY OF THE SAME	
+		

List ALL of the factors of the numbers:  (a) 20	Question 11	
(a) 20 1, 2, 4, 5, 10, 20  (b) 100 1, 2, 4, 5, 10, 20, 50, 100  Question 12 Find the H.C.F. (highest common factor) of:  (a) 12 & 18  (b) 20 & 100  Question 13  What is the place value of the 7 in each of the numbers below?  (a) 87 100  (b) 8.075  Question 14  Write the following numbers using powers:-  (a) 3×10×10×10×10  (b) 2×2×3×3×3×5×2×5×2  Question 15  Write the basic numeral for each:  (a) 7×10²  (b) 2×10³  (c) 3×5²  (d) 10²×3³  (e)	List ALL of the factors of the numbers:	(a) Write answer
(b) 100 1, 2, 4, 5, 10, 20, 50, 100	(a) 20 1, 2, 4, 5, 10, 20	
(b) 100 1, 2, 4, 5, 10, 20, 50, 100 —————————————————————————————————	, , , , , , , , , , , , , , , , , , , ,	(b) Write answer
Question 12       Find the H.C.F. (highest common factor) of:         (a) 12 & 18       (a)	(b) 100 <b>1. 2. 4. 5. 10. 20. 50, 100</b>	
Find the H.C.F. (highest common factor) of:  (a) 12 & 18  (b) 20 & 100  (c) 20 & 100  (d)	<u></u>	
(a) 12 & 18 (b) 20 & 100  Question 13 What is the place value of the 7 in each of the numbers below?  (a) 87 100 (b) 8.075  Question 14 Write the following numbers using powers:-  (a) 3×10×10×10×10 (b) 2×2×3×3×3×5×2×5×2  Question 15 Write the basic numeral for each:  (a) 7×10² (b) 2×10³ (c) 3×5² (d) 10²×3³ (e)		
(b) 20 & 100    Question 13	Find the H.C.F. (highest common factor) of:	
Question 13         What is the place value of the 7 in each of the numbers below?         (a) 87100       (b) 8.075         Question 14       Write the following numbers using powers:-         (a) 3×10×10×10×10       (a).         (b) 2×2×3×3×3×5×2×5×2       (b).         Question 15       Write the basic numeral for each:         (a) 7×10²       (a)	(a) 12 & 18	(a)
Question 13         What is the place value of the 7 in each of the numbers below?         (a) 87100       (b) 8.075         Question 14       Write the following numbers using powers:-         (a) 3×10×10×10×10       (a).         (b) 2×2×3×3×3×5×2×5×2       (b).         Question 15       Write the basic numeral for each:         (a) 7×10²       (a)		
What is the place value of the 7 in each of the numbers below?         (a) 87 100         (b) 8.075         Question 14         Write the following numbers using powers:-         (a) 3×10×10×10         (b) 2×2×3×3×3×5×2×5×2         Question 15         Write the basic numeral for each:         (a) 7×10²         (b) 2×10³         (c) 3×5²         (d) 10²×3³         (e)	(b) 20 & 100	(b)
What is the place value of the 7 in each of the numbers below?         (a) 87 100         (b) 8.075         Question 14         Write the following numbers using powers:-         (a) 3×10×10×10         (b) 2×2×3×3×3×5×2×5×2         Question 15         Write the basic numeral for each:         (a) 7×10²         (b) 2×10³         (c) 3×5²         (d) 10²×3³         (e)	Quarties 13	
(a) 87 100 (b) 8.075 (b) 8.075 (c) 8.075 (d) (e) 8.075 (e) 8.075 (b) 8.075 (b) 8.075 (c) 8.075 (d) 8.075 (e) 8.075 (e) 8.075 (b) 8.075 (e) 8.075 (b) 8.075 (c) 8.075 (d) 8.075 (e) 8.075 (e) 8.075 (f) 8.075 (f) 8.075 (h) 8.075 (e) 8.075 (f) 8.075 (		
(b) 8.075 (b)  Question 14  Write the following numbers using powers:-  (a) 3×10×10×10×10 (a).  (b) 2×2×3×3×3×5×2×5×2  Question 15  Write the basic numeral for each:  (a) 7×10² (a)		
Question 14         Write the following numbers using powers:-         (a) 3x10x10x10x10       (a)         (b) 2x2x3x3x3x5x2x5x2       (b)         Question 15       Write the basic numeral for each:         (a) 7x10²       (a)         (b) 2x10³       (b)         (c) 3x5²       (c)         (d) 10²x3³       (e)	(a) 87 100	(a)
Question 14         Write the following numbers using powers:-         (a) 3×10×10×10×10       (a)         (b) 2×2×3×3×3×5×2×5×2       (b)         Question 15       Write the basic numeral for each:         (a) 7×10²       (a)         (b) 2×10³       (b)         (c) 3×5²       (c)         (d) 10²×3³       (e)	(b) 8·075	(b)
Write the following numbers using <i>powers</i> :-  (a) 3×10×10×10×10  (b) 2×2×3×3×3×5×2×5×2   Question 15  Write the basic numeral for each:  (a) 7×10²  (b) 2×10³  (c) 3×5²  (d) 10²×3³  (e)		
(a) 3×10×10×10×10 (b) 2×2×3×3×3×5×2×5×2  Question 15 Write the basic numeral for each: (a) 7×10² (b) 2×10³ (c) 3×5² (d) 10²×3³ (e)	·	
(b) 2×2×3×3×3×5×2×5×2  Question 15 Write the basic numeral for each:  (a) 7×10² (b) 2×10³ (c) 3×5² (d) 10²×3³ (e)	write the following numbers using <i>powers:-</i>	
(b) 2×2×3×3×3×5×2×5×2  Question 15  Write the basic numeral for each:  (a) 7×10²  (b) 2×10³  (c) 3×5²  (d) 10²×3³  (e)	(a) 3×10×10×10×10	(a).
(b) 2×2×3×3×3×5×2×5×2  Question 15  Write the basic numeral for each:  (a) 7×10²  (b) 2×10³  (c) 3×5²  (d) 10²×3³  (e)		(6)
Write the basic numeral for each:  (a) $7 \times 10^2$ (b) $2 \times 10^3$ (c) $3 \times 5^2$ (d) $10^2 \times 3^3$ (a)	(b) 2×2×3×3×3×5×2×5×2	(10).1.
Write the basic numeral for each:  (a) $7 \times 10^2$ (b) $2 \times 10^3$ (c) $3 \times 5^2$ (d) $10^2 \times 3^3$ (a)	Ougstion 15	
(a) $7 \times 10^2$ (b) $2 \times 10^3$ (c) $3 \times 5^2$ (c)	<b>}</b> **	}
(b) 2×10 <sup>3</sup> (c) 3×5 <sup>2</sup> (d) 10 <sup>2</sup> ×3 <sup>3</sup> (e)	PANTO THE DUDIO HUMBORAL FOR CALOTH	
(c) $3\times5^2$ (d) $10^2\times3^3$ (e)	(a) $7 \times 10^2$	(a)
(c) $3\times5^2$ (d) $10^2\times3^3$ (e)		
(c) $3\times5^2$ (d) $10^2\times3^3$ (e)	/b) 2×10 <sup>3</sup>	(b)
(d) $10^2 \times 3^3$ (e)	(b) 2×10	(2)
(d) $10^2 \times 3^3$ (e)		(a)
(d) 10 <sup>2</sup> ×3 <sup>3</sup>	(c) $3 \times 5^2$	(6)
(d) 10 <sup>2</sup> ×3 <sup>3</sup>		
(e)	$(d) 10^2 \times 3^3$	(d)
(e) 50-{11+ (12-3)}	(4) 50 (44) (42 2)]	(e)
	(e) 50-{HT (12-3)}	

	. I		
		Question 16	
	(a) Write answer	What number is represented by the following:-	
	here	(a) $(9 \times 10000) + (2 \times 1000) + 100 + (8 \times 10)$	(a)
	(b) Write answer		
	to) write allower here	(b) $(8 \times 100\ 000) + (4 \times 1\ 000) + 5$	(b)
		Question 17	
	•	Write each number in "expanded" form (as shown in question 16)	
	(a)	(a) $4075$ $(4 \times 1000) + (7 \times 10) + 5$ (b) $30604$ $(3 \times 10000) + (6 \times 100) + 4$	(a)<
		(b) 30 604 (3 × 10 000) + (6 × 100) + 4	(b)<
	(4)	Question 18	
	(b)	Write the basic numeral for:-	
low?	·	(a) $8-5+4-5$	(a)
	.	(b) 9 – 15 + 11	(b)
	(a) .	Question 19	
	(b)	(a) Which numbers listed below are divisible by 3?	
		353 , 521143 , 22224	a)/
			[4]
	,   ,	(b) Which numbers listed below are divisible by 4?	
	(a).	2514 , 5588 , 10008	b)
	(4).	Question 20	
	(b).l	Write each of the numbers below as the product of its prime factors by	,
	· · · · · · · · · · · · · · · · · · ·	completing the factor trees.	
		(a) $(45)$	
		$\begin{array}{ccc} \text{(a)} & \text{(45)} & \text{(45)} \end{array}$	(a)
			40 =\
	(a)	(4) () (9) ()	
			(h):
	(b)		(p) .
	(6)		45 =∖
		Draw your own tree for the next number (200)	
	(c)	(c) (200)	
		(c) (200)	
	(d)		
			(c)
			[
	(e)		200 =
			`

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Topic Test 1 -- 7M3

Name: SOLUTIONS

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Question 1	ANSWERS
(a) How many "thirds" are there in $3\frac{1}{3}$	(a) 10
(b) How many "quarters" are there in 3 ½	(b)14
Question 2	
Write as a mixed fraction	
(a) $\frac{7}{4}$	(a) 13/4
	(b) 5 <sup>3</sup> /8
(b) $\frac{43}{8}$	(b) 5 <sup>3</sup> /8
*	(0)
Question 3	
Simplify:	(a)3
(a) $\frac{5}{9} + \frac{5}{9} - \frac{4}{9}$	(a)
	234
(b) $4 - \frac{7}{10}$	(b) 3 3/6
Question 4	
Express each fractions in its simplest form:	2
(a) $\frac{6}{15}$	(a)
	3
(b) $\frac{45}{63}$	(b) 4
60	
Question 5	
Write each fraction as a decimal:	1, 2 0/2
(a) $3\frac{12}{1000}$	(a)
1000	(a) 3. 0/2 (b) 0. 26
(b) $\frac{15}{50}$	(b)
Question 6	
Simplify:	
	(a) 1.260 V
(a) 1·26 × 1000	
(b) 1·26 × 5	
	. (3
	(b).6.3
(c) 1·26 × 1·8	
(0) 1 20 1 1 0	1,2710
	(6) 2-268
1	

Question 7	
Find the value of:	
(a) $2.9 + 1 + 0.22$	(a) A. 12
(b) 3·45 - 1·8	(b)l6.5
(c) 4 ) 7·28	(c) 1,82
(d) 5 7·280	(d)l456
Question 8	
Write these percentages as a decimal:	
(a) 3 %	(a) 0.03 V
(b) 37 1/2 %	(b) 0.375
Question 9	
Find the value of:	
(a) $5 + 3 \times 2$	(a)//
(b) $3 + 5 \times 4 - 1$	(b)22
(c) $\frac{12+8}{2+3}$	(c) 20 = 184 W
(d) $3 \times (7-1) \div 2$	(d) 9
Question 10	
(a) List the first 10 multiples of	}
(i) 10 10,20,30,40,50,60,70,80,90,100.	(a) Write answer
and (ii) 6 6, 12, 18, 24, 30, 36, 42, 48, 54, 60	←— here
(b) From this list write down all the "common" multiples of 10 and 6	(b) Write answer ← here
(c) What is the L.C.M. ( <i>lowest</i> common multiple) of <b>10</b> and <b>6</b>	(c) 30 V

Question 11	
List ALL of the factors of the numbers:	(a) Write answer
(a) 20 1, 2, 4, 5, 10, 20	← — here
(a) 20	(b) Write answer
(b) 100 1, 2, 4, 5, 10, 20, 25, 50, 100	←—— here
Question 12	
Find the H.C.F. (highest common factor) of:	
(a) 12 & 18	(a)6. V
3	(b) 20
(b) 20 & 100	(b)k
Question 13	
What is the place value of the 7 in each of the numbers below?	
(a) 87 100	(a) 7 thousands
(b) 8-075	(b).7hundredth
Question 14	
Write the following numbers using powers:-	
   (a)	(a) 3 x 10 <sup>4</sup>
(~)	(b) $2^4 \times 3^3 \times 5^2$
(b) 2×2×3×3×3×5×2×5×2	
Question 15	
Write the basic numeral for each:	
(a) $7 \times 10^2$	(a) 700 V
(b) 2×10 <sup>3</sup>	(b) 2 000 V
(c) 3×5 <sup>2</sup>	(o)75
(0) 3/2	300 3700
(d) $10^2 \times 3^3$	(d)900 & 100
(d) $10^2 \times 3^3$	
	(e) 30 V
(e) 50 - {11+ (12-3)}	

