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Sub: Math

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Sheets used: 4

Date: 30-09-2020

30-04-2000

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Rough

Ans.1 I agree that if a number is divisible by 5 then it is also divisible by 10 because if there is 0 in the last of a number then that number is divisible by 5 and 10.

Ans.2

$\frac{60}{13} \div \frac{47}{39}$

Step1: $\frac{60}{13} \div \frac{47}{39} = \frac{60 \div 47}{13 \div 39} = \frac{1}{1} =$

Ans. 1

Ans.3

$\frac{51}{8} \times \frac{49}{33}$

Step1: $\frac{51}{8} \times \frac{49}{33} = \frac{51 \times 49}{8 \times 33} = \frac{6599}{275}$

Ans. $\frac{2}{5}$

Ans.4

780 → 2, 390 → 2, 195 → 5, 39 → 3, 13

Ans. 2 = 2 × 5 × 3 × 180 × 3 × 100 × 195 × 39 × 12 These all are the factors of 780.

51
×49
459
204+
6599

33
× 8
275

6599

$3\overline{)6599}$ = 2193
-6
05
-3
29
-27
39

$\frac{2}{5}$

1.5

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Ans.5

a)

hrs	mins	secs
5	27	50
8	15	00
	12	50

hrs	mins	secs
87	140	100
5	27	50
3	113	50
	-60	
	53	

$16 \times 6 = 96$

b)

hrs	mins	secs
9	28	
5	57	
15	83	
	-60	
	23	

Ans. 15 hrs 23 mins

Ans.6 $(7\frac{1}{9} + 3\frac{1}{6}) - 7\frac{1}{12}$

Step1: $7\frac{1}{9} = \frac{16}{9} + 3\frac{1}{6} = \frac{9}{6}$

Step2: $9 \times 9 = 81$ $\quad \frac{81}{54}$

$9 \times 6 = 54$

$6 \times 9 = 54$ $\quad \frac{96}{54}$

$6 \times 16 = 96$

Step3: $\frac{81}{54} + \frac{96}{54} = \frac{81+96}{54} = \frac{177}{54}$

Step4: $\frac{19}{12} - \frac{177}{54}$

Step5: $12 \times 177 = 2,124$ $\quad \frac{2124}{648}$

$12 \times 54 = 648$

$54 \times 12 = 648$ $\quad \frac{9}{648}$

$5 \times 19 = 95$

Step6. $\frac{2124}{648} - \frac{95}{648} = \frac{2124-95}{648} = \frac{2029}{648}$

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Step 7: $\frac{1}{2}$

Ans. $\frac{1}{2}$

Ans. 7 60=60, 120, 180, 240, 300, 360, 420, 480, 540
180 = 180, 280, 460
270 = 276,

Ans. It's not possible

Ans 8 325 + 234 = 559

Ans. there should be 279L of oil in each containes.