# TIER 3 - TEST

NAME : DATE :

**Observe the pattern and write the missing numbers.**

| | | | | | | |
|---|---|---|---|---|---|---|
| 1) | 343 | 353 | 363 | 373 | 383 | 393 |
| 2) | 811 | 806 | 801 | 796 | 791 | 786 |
| 3) | 64 | 73 | 82 | 91 | 100 | 109 |
| 4) | 532 | 552 | 572 | 592 | 612 | 632 |
| 5) | 709 | 609 | 509 | 409 | 309 | 209 |
| 6) | 215 | 234 | 253 | 272 | 291 | 310 |
| 7) | 695 | 686 | 677 | 668 | 659 | 650 |
| 8) | 172 | 152 | 132 | 112 | 92 | 72 |
| 9) | 853 | 858 | 863 | 868 | 873 | 878 |
| 10) | 91 | 191 | 291 | 391 | 491 | 591 |

11) Write place value of the underlined number.
3 4 6 - hundreds

12) Write in expanded form
738 = 700+30+8

13) 8 + 600 = 608

14) 900 = 90 tens

15) 392 (10s) ≈ 390

16) 751 (100s) ≈ 800

17) 324 + 152 = 476

18) 426 + 275 = 701

19) 575 + 387 = 962

20) 783 + 56 = 839

21) 800 + 56 = 856

22) 378 + 400 = 778

23) 315 + 89 = 404

24) 402 + 156 = 558

25) 36 + 45 + 24 = 105

26) Doubling of 248 = 496

27) Doubling of 495 = 990

28) 81 - 46 = 35

29) 856 - 312 = 544

30) 718 - 256 = 462

31) 902 - 578 = 324

32) 634 - 85 = 549

33) 800 - 73 = 727

34) 1000 - 37 = 963

35) 900 - 146 = 754

36) 700 - 320 = 380

37) 832 - 59 = 773

38) 715 - 303 = 412

39) 600 - 417 + 257 = 440

40) 233 + 278 = 511 - 278

41) 712 - 462 = 250

42) 1000 - 314 = 686 + 314

43) 7 x 80 = 560

44) 90 x 60 = 540

45) 374 x 9 = 3366

46) 512 x 70 = 35840

47) 85 x 11 = 935

48) 70 x 99 = 6930

49) 59 x 99 = 5841

50) 8 x 99 = 792

51) 63 ÷ 7 = 9

52) 50 ÷ 8 = 6 R 2

53) Predecessor of - 3 = -4

54) Sucessor of - 4 = -3

55) $4\overline{3}$ = 37

56) $8\overline{2}$ = 78

57) 0 (>) - 4 compare

58) $6\overline{3}$ (=) 57 compare

**Arrange in Increasing order**

59)

| `1 | 0 | -4 | -2 |
|---|---|---|---|
| -4 | -2 | 0 | 1 |

61)

| 23 | $2\overline{3}$ | $2\overline{2}$ | 16 |
|---|---|---|---|
| 23 | 17 | 18 | 16 |
| 16 | $2\overline{3}$ | $2\overline{2}$ | 23 |

**Arrange in decreasing order**

60)

| -1 | 1 | -5 | 5 |
|---|---|---|---|
| 5 | 1 | -1 | -5 |

62)

| $5\overline{1}$ | 40 | 50 | $4\overline{1}$ |
|---|---|---|---|
| 49 | 40 | 50 | 39 |
| 50 | $5\overline{1}$ | 40 | $4\overline{1}$ |

63) $4^2$ = 16

64) $50^2$ = 2500

65) $75^2$ = 5625

66) $95^2$ = 9025

67) 248 x 4 = 496 992

68) 872 ÷ 4 = 436 218

69) DS (487) = 1

70) DS (73a) = 7, a = 6

71) Write 3 equivalent fractions

$\frac{3}{7} = \frac{6}{14} = \frac{9}{21} = \frac{12}{28}$

72) Simplify

$\frac{72}{81} = \frac{8}{9}$

73) $\frac{4}{7} - \frac{2}{7} + \frac{5}{7} = \frac{7}{7} = 1$

74) $\frac{7}{11} - \frac{3}{11} - \frac{4}{11} = \frac{0}{11} = 0$

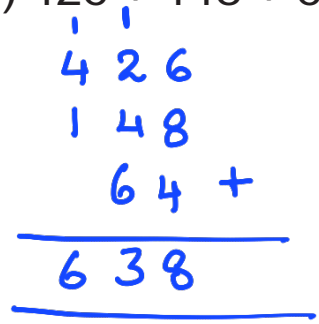
75) 7 days = 168 hr (×24)

76) 8 ft = 96 in

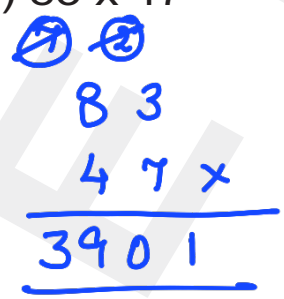
77) 5 km = 5000 m

78) 23 cm = 230 mm

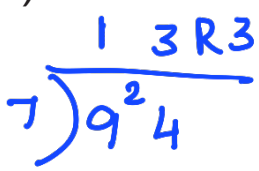
79) 426 + 148 + 64



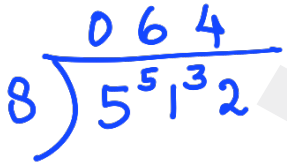

80) 83 x 47



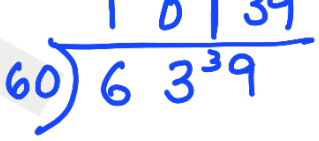

81) 94 ÷ 7




82) 512 ÷ 8




83) 639 ÷ 60



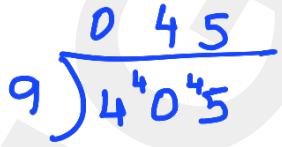

84) 3 6

a 7 x

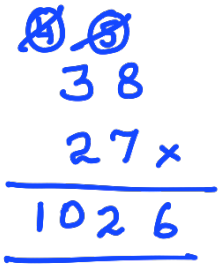
2 b 5 2

a = 7 b = 2

85) 45 x 9 = 405




86) ☐ ÷ 27 = 38




87) 18 x (50-38) ÷ 6

12

18 x 12 ÷ 6

216 ÷ 6

36

88) $36^2$

36

36 x

1296

89) $77^2$

77

77 x

5929

90) Write some factors of 72

DS(72) = 9

1, 2, 3, 6, 9, 72

91) 2 and 9 are factors of 3xy choose all correct options

a) 51 b) 24
c) 42 d) 52

92) 4 days + 64 hr

4 days = 4 x 24 = 96 hr

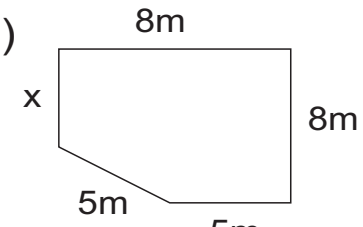
96 hr + 64 hr = 160 hr

93) 133 in - 7 ft

7 ft = 7 x 12 = 84 in

133 in - 84 in = 49 in

94)




30 - 26 = 4

P = 30 m x = 4 cm

95) s of □ = 64 cm find A and P.

64

64

4096

A = 64 x 64 = 4096 $cm^2$

P = 64 x 4 = 256 cm

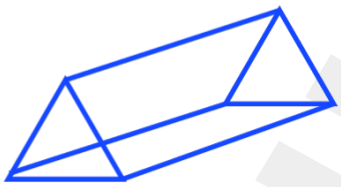
96) A of □ 750 $in^2$, $\ell$ = 50 in, find w.

w = 750 ÷ 50

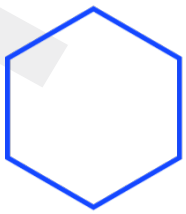
15
50 | 750
0

w = 50 in

97) Draw triangular prism.



98) Draw hexagon



99) Draw obtuse angle.

100) Draw line segment AB.