

TIER 2 - TEST

NAME :

DATE :

Observe the pattern and write the missing numbers.

- | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 1) | 146 | 147 | 148 | 149 | 150 | 151 |
| 2) | 183 | 182 | 181 | 180 | 179 | 178 |
| 3) | 95 | 97 | 99 | 101 | 103 | 105 |
| 4) | 159 | 157 | 155 | 153 | 151 | 149 |
| 5) | 106 | 108 | 110 | 112 | 114 | 116 |
| 6) | 180 | 178 | 176 | 174 | 172 | 170 |
| 7) | 125 | 130 | 135 | 140 | 145 | 150 |
| 8) | 170 | 165 | 160 | 155 | 150 | 145 |
| 9) | 80 | 90 | 100 | 110 | 120 | 130 |
| 10) | 200 | 190 | 180 | 170 | 160 | 150 |

Arrange in

Increasing order

- 11)
- | | | | |
|-----|-----|-----|-----|
| 142 | 87 | 195 | 113 |
| 87 | 113 | 142 | 195 |

- 12)
- | | | | |
|-----|-----|-----|-----|
| 137 | 114 | 141 | 173 |
| 114 | 137 | 141 | 173 |

decreasing order

- 13)
- | | | | |
|-----|-----|-----|-----|
| 168 | 183 | 143 | 197 |
| 197 | 183 | 168 | 143 |

- 14)
- | | | | |
|-----|-----|-----|-----|
| 145 | 165 | 105 | 135 |
| 165 | 145 | 135 | 105 |

- 15) $46 = 40 + 6$
(write in expanded form)

- 16) $3T + 7U + 1H = 137$
(write in standard form)

- 17) 146 (nearest 10s) ≈ 150

- 18) $148 + 7 = 155$

- 19) $176 + 9 = 185$

- 20) $80 + 56 = 136$

- 21) $132 + 50 = 182$

- 22) $146 + 29 = 175$
3T

$$23) \quad \begin{array}{r} 147 \\ 43 \\ + 38 \\ \hline \end{array} = 185$$

$$25) \quad 136 + 27 = 163$$

$$27) \quad \begin{array}{r} 126 \\ 150 \\ + 24 + 18 \\ \hline \end{array} = 168$$

$$29) \quad \text{Doubling of } 76 = 152$$

$$31) \quad 74 - 8 = 66$$

$$33) \quad 187 - 7 = 180$$

$$35) \quad 131 - 5 = 126$$

$$37) \quad 173 - 40 = 133$$

$$39) \quad 86 - 9 = 77$$

$$41) \quad 75 - 19 = 56$$

$$43) \quad 176 - 51 = 125$$

$$45) \quad \begin{array}{r} 105 \\ 1 \\ - 68 \\ \hline \end{array} = 37$$

$$47) \quad 200 - 36 = 164$$

$$49) \quad 200 - 143 = 57$$

$$51) \quad 46 + \boxed{91} = 137 - 46$$

$$53) \quad 7 \times 2 = 14$$

$$55) \quad 80 \times 10 = 800$$

$$57) \quad \textcircled{1} \times 9 = 9$$

$$59) \quad 23 \times 5 = 115$$

$$61) \quad 18 \div 2 = 9$$

$$63) \quad 76 \div 10 = 7R6$$

$$24) \quad \begin{array}{r} 103 \\ 72 \\ + 68 \\ \hline \end{array} = 171$$

$$26) \quad \begin{array}{r} 35 \\ 80 \\ + 26 + 45 \\ \hline \end{array} = 106$$

$$28) \quad \begin{array}{r} 36 \\ 12 \\ + 25 + 73 \\ \hline \end{array} = 134$$

$$30) \quad \text{Doubling of } 95 = 190$$

$$32) \quad 140 - 6 = 134$$

$$34) \quad 63 - 8 = 55$$

$$36) \quad 192 - 6 = 186$$

$$38) \quad 140 - 70 = 70$$

$$40) \quad 132 - 9 = 123$$

$$42) \quad 178 - 19 = 159$$

$$44) \quad \begin{array}{r} 83 \\ 1 \\ - 37 \\ \hline \end{array} = 46$$

$$46) \quad 100 - 48 = 52$$

$$48) \quad 200 - 60 = 140$$

$$50) \quad \begin{array}{r} 83 \\ 58 \\ - 25 + 19 \\ \hline \end{array} = 77$$

$$52) \quad 100 - \boxed{63} = 37$$

$$54) \quad 60 \times 5 = 300$$

$$56) \quad 8 \times \textcircled{0} = 0$$

$$58) \quad 87 \times 2 = 174$$

$$60) \quad 13 \times 50 = 650$$

$$62) \quad 25 \div 5 = 5$$

$$64) \quad 11 \div 2 = 5R1$$

$$65) 33 \div 5 = 6R3$$

$$66) 6 \div 10 = 0R6$$

$$67) 5 \div 0 = \infty$$

$$68) \textcircled{6} \div 6 = 1$$

$$69) \textcircled{0} \div 8 = 0$$

$$70) \textcircled{6} \times 5 = 30$$

$$71) 147 \div 2$$

$$\begin{array}{r} 073R1 \\ 2 \overline{) 147} \end{array}$$

$$72) 195 \div 5$$

$$\begin{array}{r} 039 \\ 5 \overline{) 195} \end{array}$$

$$73) 103 \div 10$$

$$\begin{array}{r} 010R3 \\ 10 \overline{) 103} \end{array}$$

$$74) 2 \times \boxed{68} = 136$$

$$\begin{array}{r} 068 \\ 2 \overline{) 136} \end{array}$$

$$75) \boxed{35} \times 5 = 175$$

$$\begin{array}{r} 035 \\ 5 \overline{) 175} \end{array}$$

$$76) \boxed{650} \div 50 = 13$$

$$13 \times 50 = 650$$

77) Write some factors of 120

1, 2, 5, 10, 120

78) Write multiples of 2 and 5 and write some common multiples.

2 - 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

5 - 5, 10, 15, 20, 25, 30, 35, 40, 45, 50

Common multiples = 10, 20

79) 2 and 5 are factors of 1xy. Write all possible values of xy.

110, 120, 130, 140, 150,

160, 170, 180, 190

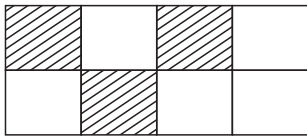
80) For decreasing pattern, the first term is 132 and the difference is 6, write first 4 terms of the sequence

$$132 - 6 = 126 \quad 126 - 6 = 120$$

$$120 - 6 = 114$$

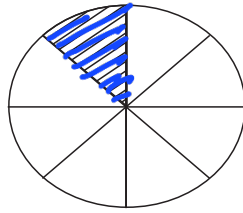
132, 126, 120, 114

81) Write fraction



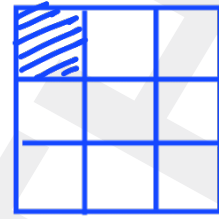
$\frac{3}{8}$

82) Represent unit fraction and write the fraction



$\frac{1}{8}$

83) Draw square and represent $\frac{1}{9}$.

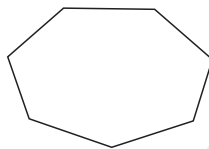


84) Write regular or irregular polygon



Irregular Polygon

85) Write name of a polygon

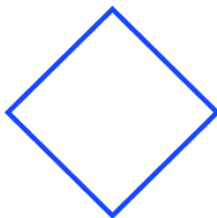


Heptagon

86) Draw trapezoid



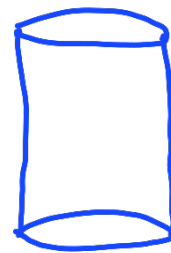
87) Draw rhombus



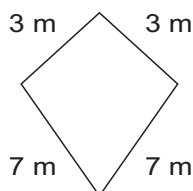
88) Draw prism



89) Draw cylinder



90) Find perimeter



$P = 20m$

91) Convert 5 hr to min.

$$5 \times 60 = 300 \text{ min}$$

92) Convert 2 days to hr

$$2 \times 24 = 48 \text{ hr}$$

93) Write few units used to measure time.

sec, min, hr, day, week,
month, year

94) Write few units used to measure capacity.

l, ml, kl, oz

95) $36g + 19g = 55g$

96) $96 \text{ sec} + 35 \text{ sec} = 131 \text{ sec}$

97) $80 \text{ days} - 12 \text{ days} = 68 \text{ days}$

98) $71 \text{ km} - 25 \text{ km} = 46 \text{ km}$

99) $36 \text{ cm} = 360 \text{ mm}$

100) $80 \text{ cm} = 800 \text{ mm}$