

SOLUTIONS

(1) $75 \times 0.25 = 18$
 $72 - 18 = 54$ (C)

(2) $\frac{10+12+8+13+7}{5} = 12$ (D)

(3) $\frac{1}{3} = 0.333$
 $\frac{5}{4} = 1.4$
 $\frac{5}{3} = 2.333$
 $\frac{1}{5} = 0.2$ (B)

(4) $\frac{4}{10} = \frac{2}{5}$ (C)

(5) 2, 3, 5, 7, 11, 13, 17 (E)

(6) $12+14+16+18+20+22+24 = 126$ (B)

(7) $\frac{3 \times 15(2)}{6} = \frac{90}{6} = 15$ (D)

(8) 24: 1, 2, (3) 4, 6, 8, 12, 24
27: 1, (3) 9, 27
48: 1, 2, (3) 4, 6, 8, 12, 24, 48 (C)

(9) $100\% - 65\% = 35\%$
 $35\% = \frac{35}{100} = \frac{7}{20}$ (C)

(10) $21 \div 7 = 3$ (A)

(11) $\$12.99$ $\$39.98 + \1.02
 $\$11.99 = \40
 $+ \$14.00$
 $\$39.99$ (C)

(12) $8 - (8 - 2)$
 $8 - 6 = 2$ no row (B)

(13) $140 \times \frac{2}{5} = 56$ balloons
 $140 \times \frac{1}{7} = 20$ thumbtacks
 $56 + 20 = 76$
 $140 - 76 = 64$ darts (E)

(14) 12: 12, 24, 36, (48)
16: 16, 32, (48) (C)

(15) $4+5 = 9$ (D)
 $5+9 = 14$
 $9+14 = 23$
 $14+23 = 37$
 $23+37 = 60$
 $37+60 = 97$

(16) $A = \frac{1}{2} (20)(18)$
 $= (10)(18)$ (C)
 $= 180$

(17) $75 + 20 + 15 + 5 =$
 $115 = \$1.15$ (C)

(18) $25 \div 6 = 4$ whole
(B)

(27) 1 2 2 4 4 4 4 4 5 5 5 6 8 11 20
(A) ↑

(19) 1 minute = 60 seconds
2 $\frac{1}{2}$ minutes = 150 seconds
 $150 \div 3 = 50$ (C)

(28) $90 + 60 + x = 180$
 $x = 30$
(B)

(20) 13 (B)

(29) $50 \times 50 = 2500$
 $2500 - 500 = 2000$
 $2000 \div 50 = 40$ (C)

(21) If the sum of the digits of a number is divisible by 3, the number is divisible by 3.
A-28, B-32, C-27, D-32
(C)

(30) $\frac{8}{12} = \frac{2}{3}$ (B)

(22) $\frac{(16 \times 2) + (13 - 9)}{(3^2 - 7)} = \frac{32 + 4}{9 - 7} =$
 $\frac{36}{2} = 18 \leftarrow \text{Ally's age}$
 $18 + 2 = 20$ (B)

(23) $V = 3 \times 3 \times 3 = 27$ (C)

(24) Grace, Jeffery, Jeongmin,
Ally \rightarrow 1st (A)

(25) $2 \frac{7}{9} = \frac{25}{9}$ (C)

(26) The number that appears most often is 4 \rightarrow (B)