

$$23(b) \quad \frac{5}{12}$$

$$24(d) \quad 12$$

$$\begin{aligned} \text{total outcomes} &= 3+5+4 \\ &= 12 \end{aligned}$$

25(d) double bar graph

$$26(c) \quad 25$$

$$\begin{aligned} \text{class size} &= 175 - 150 \\ &= 25 \end{aligned}$$

$$27(d) \quad 0$$

outcomes are 1, 2, 3, 4, 5, 6
 $P(7) = 0$

28(d) Pie chart

29(c) Frequency

$$30(d) \quad 85$$

upper limit $75 - \overset{LL}{\underset{UL}{85}}$

$$31(c) \quad \frac{3}{5}$$

odd nos from 1 to 5 - 1, 3, 5
 $P(\text{odd no.}) = \frac{3}{5}$

$$32(b) \quad \frac{3}{10}$$

no. of red marbles = 6
 total marbles = 6+5+4+5

$$33(d) \quad 4$$

$$\begin{aligned} P(\text{red marble}) &= \frac{6}{20} = \frac{3}{10} \\ 2^2 &= 4 \end{aligned}$$

$$34(d) \quad 8$$

Possible outcomes

$$\begin{aligned} &= 2^3 \\ &= 8 \end{aligned}$$