Answer to the question no! 1

(1)	1	2	3	. 4	5	G
2	(1,1)	(1,2)	(1, 3)	(1,4)	(1,5)	(1,6)
3 2	(2, 1)	(2,2)	(2,3)	(24)	(2,5) V	(2,6)
3	(3, 1)	(3,2)	(3,3)	(3,4)	(3,5)	(36)
4	(4,)	(4,2) ~	(4,3)	(4,4)	45)	(4,6)
	3 2	2 (2, 1)	(2, 1) $(2,2)$ $(3, 1)$ $(3,2)$	(2, 1) $(2, 2)$ $(2, 3)(3, 1)$ $(3, 2)$ $(3, 3)$	(2,1) $(2,2)$ $(2,3)$ $(2,4)(3,1)$ $(3,2)$ $(3,3)$ $(3,4)$	(2,1) $(2,2)$ $(2,3)$ (24) $(2,5)(3,1)$ $(3,2)$ $(3,3)$ $(3,4)$ $(3,5)$

Total number of trials for = 24 The possible values of x are the numbers 2 through 12. x=2 is the event and x=2.... total events are 11

$$V$$
 2 3 4 5 6 7 8 5 10
 $P(W)$ $\frac{1}{24}$ $\frac{2}{24}$ $\frac{3}{24}$ $\frac{4}{24}$ $\frac{4}{24}$ $\frac{3}{24}$ $\frac{2}{24}$ $\frac{1}{24}$ $\frac{1}{24}$

The table is the probability distribution.

Answer to the question no: p

Total number of trials for throwing
a four & a six sided die's arce 24.

(From 1)

Therefore, the number of trials to expect
a total 26 is, 46-24 = 22+1 = 23

(1,1) (1,1) (1,1) (1,1) (1,1) (1,1) (1,1)

(1,1) (1,1) (1,1) (1,1) (1,1) (1,1)

(1,1) (1,1) (1,1) (1,1) (1,1) (1,1)

(1,1) (1,1) (1,1) (1,1) (1,1) (1,1)

Answer to the question no:3

The event $(7 \ge u \ge 5)$ is the union

of mutually exclusive events X = 7, X = 6 $(7 \ge u \ge 5) = P(7) + P(6) + P(5)$ $(7 \ge u \ge 5) = P(7) + P(6) + P(5)$ $(7 \ge u \ge 5) = \frac{4}{24} + \frac{4}{24}$ $(7 \ge u \ge 5) = \frac{4}{24} + \frac{4}{24}$ $(7 \ge u \ge 5) = \frac{4}{24} + \frac{4}{24}$

Answetz to the question no: 4 If recirring 2 from exactly one of the two die 15 success the the probability is, $\frac{9}{24} = 0.375$ n=8 / R=3 & P=0.375 ner (1-P)n-R.(P)n $= {}^{8}C_{3}(1-0.375)^{8-13}.(0.375)^{3}$ = 56 × 0.0954 × 0.05273 =0.28170 Ans

Answer to the question no. 5

We know, $F(x) = \sum_{k=-\infty}^{\infty} k \rho(x=k)$ We know, $\rho(x) = E(x)/v \alpha$ E(x) = number of events $v(x) = \text{total number of } 4\pi i \alpha i \beta = 3m \beta$ 0.1K = E(x)/3 E(x) = 0.3KAns

Answer to the question no.6 We know,

P(X) = E(X)/V(X)

E(Y) = number of events

V(Y) = Total number of brials

: P(Y) = 1/3

= 0.333

Therefore, the probability of Richard catching a ball thrown to him is 0.333 Ans

Answer to the question no: 7 firet,

3 numbers are diviseable by both 785

and they are {63,126, 189}

There are, $\frac{200}{7-3} = 25$ numbers that Second,

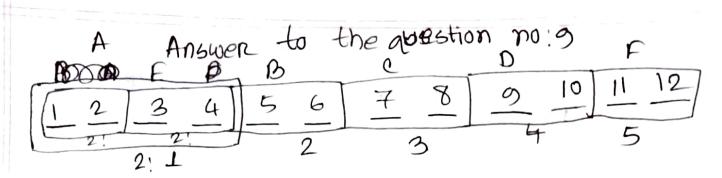
are divisible by 7 only.

Third, There are $\frac{200}{9-3} = 19$ numbers that arce diviséable by 9 only.

Therefore, there are 25+19 = 44 pms numbers in the set that are divisorable by either 7 or 9 but not both.

Answer to the question no: 8 firest, there are 200 = 66 numbers that are diviseable by 3. second, $\frac{200}{4} = 50$ numbers that are divisionable by 4 and Third, $\frac{200}{12} = 16$ numbers that are divisible Albo, 66+50+16=116-16=100, by 12. there are 160 numbers that are divisible by 3 on 4 on 12. Lastly, 200-100 = 100 numbers that divisible by 3,4 or 12.

Ans: 100



5! x 2! x 2! x 2! = 102 ways Ans

Answerto the question no.10

Crivén,
$$E(x)/=8$$
 let, x be the random variable

 $E(x)=26$ distribution with, $a=1$, $p(x)=6$ and for the second,

 $e(x)=26$ and for the second,

 $e(x)=\frac{7}{2}$ and for the second,

 $e(x)=\frac{12}{4}$ and $e(x)=\frac{91}{4}$

Now, $e(x)=\frac{12}{4}$ and $e(x)=\frac{91}{4}$
 $e(x)=\frac{12}{4}$

for the sum,

$$E(X) = E(X^{2}) + E(X^{2}) + E(X^{2})$$

$$= 3X = \frac{91}{2}$$

$$= 45.5 \text{ Ams}$$

Answer to the question no: 1.1

Brac University Buildwing lift stops on the top a the ground floor without any call and if the lift is going up it will go up first and then receive going town can

The probability will be 10 Ans

as there are 10 floors below

Answer to the question no:12 Tamim's best friend(B) wants to beat in between tamings other triend (0), they can seat in ABO, OBA 2 ways. and For 8 Arriends there can be.

Answer to the question no: 13 Criven, p(Infeated) = 81/1 P(Not Infected) = (100-8)1/1 = 021/1

P[Positive & Infected) = 951/

P(Negative & Infeded) = (100-95), = 5%

P(Positive & Not infected) = 3%.

P(Negative & Not infected) = (100-3)1, =97%

P(Not Infected & Negative) [(Negative & Not Infected) P(Not Infected)

P(Negative 3 Not Infected) P(Not Infected)

+P(Negative & Infacted) P(Infacted)

= (07×52)1. = (57×92) + (5×8) /2

Answer to the question notify

$$\frac{3}{8} + \frac{4}{12} + \frac{5}{4} = \frac{3}{8}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{4} + \frac{5}{4} = \frac{3}{4}$$

$$= \frac{3}{6} + \frac{4}{12} + \frac{3}{12} + \frac{5}{12} = \frac{3}{12}$$

$$+ \frac{3}{6} + \frac{200 + 4}{12} = \frac{3}{12}$$

$$+ \frac{3}{12} + \frac{3}{12} = \frac{3}{12}$$

$$+ \frac{3}{12} + \frac{4}{12} + \frac{3}{12} = \frac{3}{12}$$

$$+ \frac{3}{12} \frac{3}{12} = \frac{3}{12}$$

$$+$$

Answer to the question no: 15

There are $4c_2 = 6$ games within each of eight groups

Altogethere, 6x8 = 48 games
Ans