


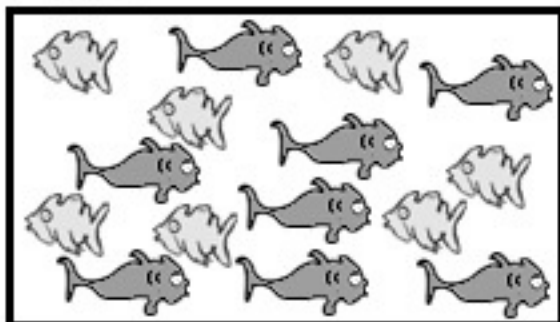
Probability

level 1

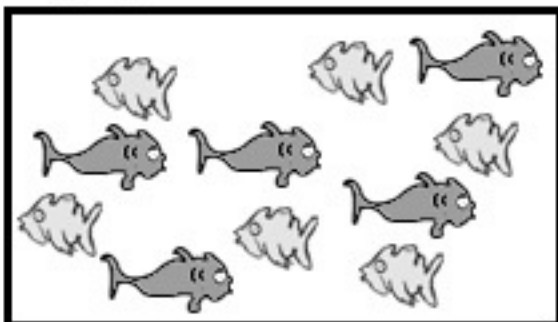
1

Calculate the probability of finding a fish like this  in each tank.
Write the probability as a fraction.

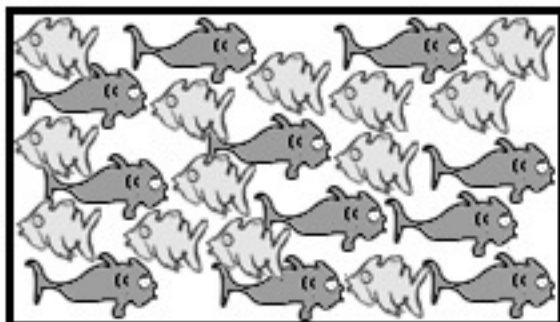
Picture 1



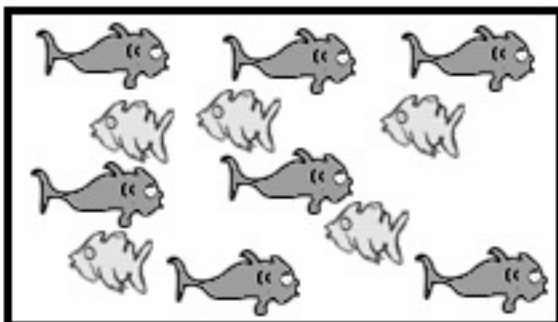
Picture 2



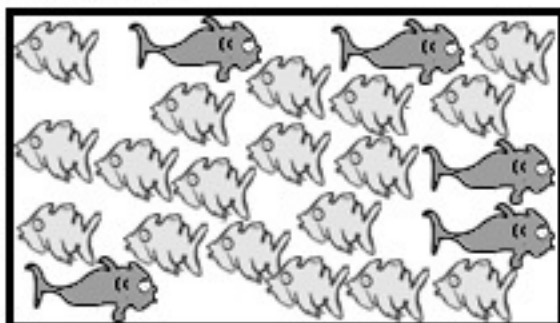
Picture 3



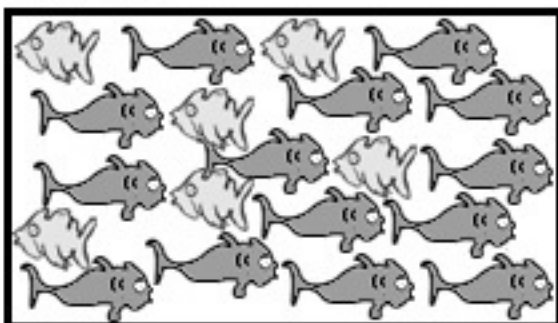
Picture 4



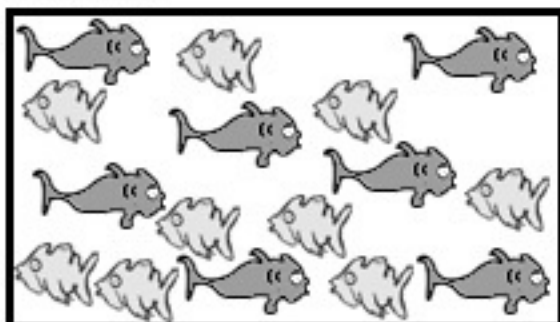
Picture 5



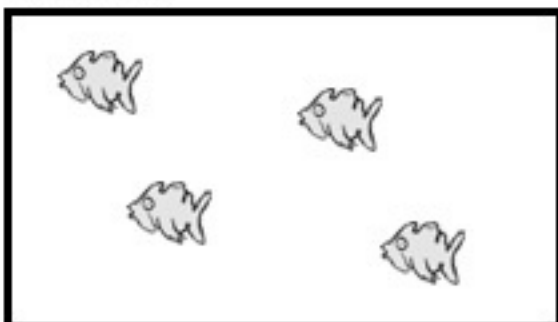
Picture 6



Picture 7



Picture 8



Probability



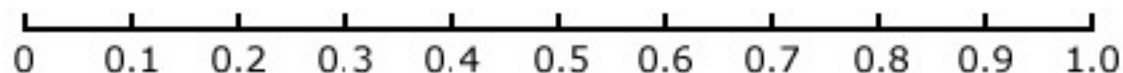
level **2**



1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

Using the table of numbers above, calculate the probability of the number being one of the following. Write the probabilities as fractions and decimals and place them on the number line.

		Fraction	Fraction to lowest denominator	Decimal
A	An even number			
B	A factor of 8			
C	A multiple of 5			
D	A factor of 12			
E	A square number			
F	A prime number			
G	A multiple of 3			
H	An even number, larger than 9			
I	A multiple of 2 and 3			
J	A square number that is also odd			
K	A prime number that is also a square number			
L	A number less than 15			
M	An odd number, greater than 6			
N	An even number less than 10			
O	A number less than 21			
P	A triangle number			
Q	A prime number less than 15			
R	A factor of 36			
S	A multiple of 7			
T	A multiple of 4 and 5			



Probability


level 3

Lottery balls are made with the following numbers.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Calculate the probability of a number being correctly described by each statement. Write the probabilities as decimals and percentages. There are lines left for you to make statements and probabilities for other numbers.

Statement about the number	Probability as a decimal	Probability as a percentage
An even number		
A multiple of 8		
A multiple of 5 and 3		
A factor of 24		
A square number, less than 60		
A prime number		
A multiple of 3		
An even number, larger than 19		
A multiple of 2 and 3		
A square number that is also odd		
A triangle number		
A number less than 55		
An odd number, greater than 67		
A triangle number which is also a square number		
A cube number		
1		
2		
3		
4		