# #03 SA Probability
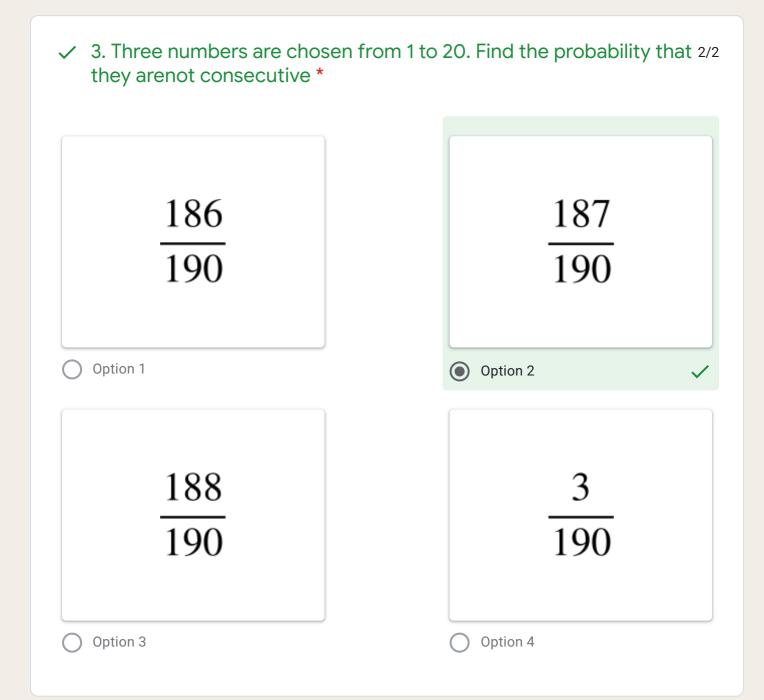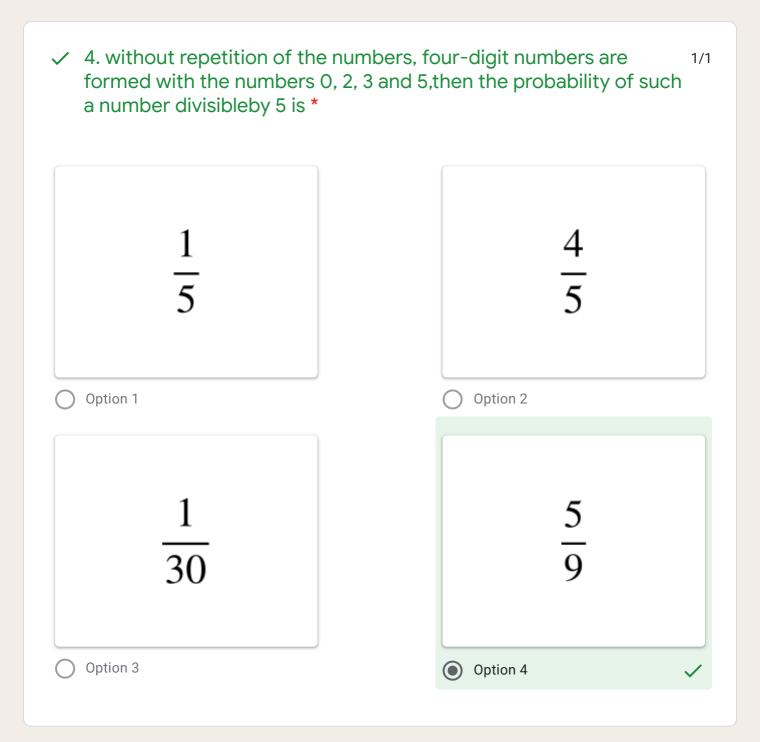
✓ 1. 6 boys and 6 girls sit in a row at random, then the probability that
all thegirls sit together is *

$$\frac{1}{432}$$

○ Option 1

$$\frac{12}{431}$$

○ Option 2

$$\frac{1}{132}$$

◉ Option 3 ✓

$$\frac{12}{132}$$

○ Option 4

✓ 2. While shuffling a pack of 52 playing cards, 2 are accidentally dropped. Find theprobability that the missing cards to be of different colours. *

$$\frac{26}{51}$$

◉ Option 1 ✓

$$\frac{27}{51}$$

○ Option 2

$$\frac{29}{52}$$

○ Option 3

$$\frac{1}{2}$$

○ Option 4

3. Three numbers are chosen from 1 to 20. Find the probability that they arenot consecutive *

$$\frac{186}{190}$$

Option 1

$$\frac{187}{190}$$

⦿ Option 2 ✓

$$\frac{188}{190}$$

Option 3

$$\frac{3}{190}$$

Option 4

✓ 4. without repetition of the numbers, four-digit numbers are formed with the numbers 0, 2, 3 and 5,then the probability of such a number divisibleby 5 is *

$$\frac{1}{5}$$

○ Option 1

$$\frac{4}{5}$$

○ Option 2

$$\frac{1}{30}$$

○ Option 3

$$\frac{5}{9}$$

◉ Option 4 ✓

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