210 = 2 × 5 × 3 × 7

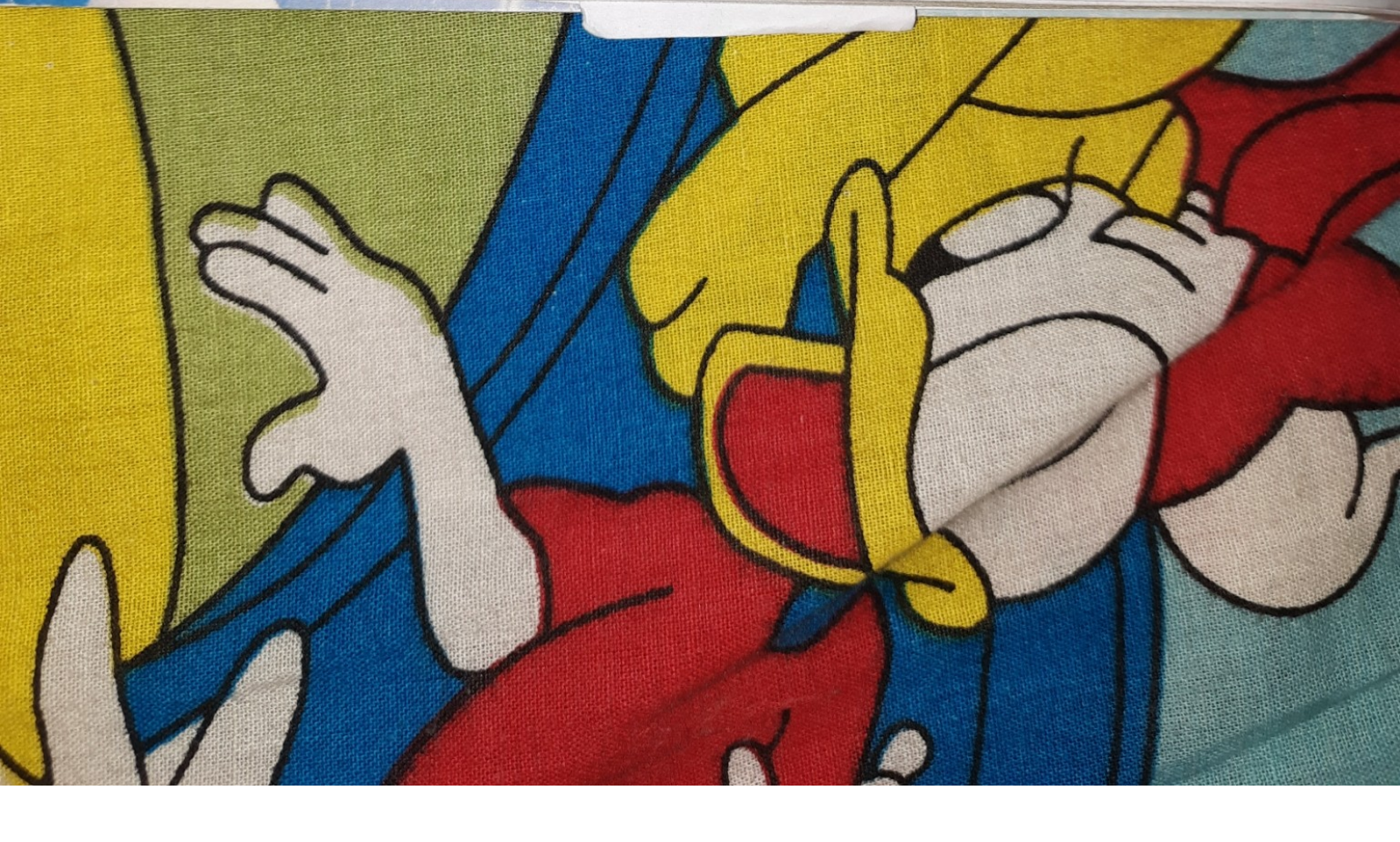
260 = 2 × 2 × 5 × 13

HCF = 2

3.) a: 40 and 60

2	40, 60
2	20, 30
5	10, 15
	2, 3

HCF of 40 and 60 = 2 × 2 × 5 = 20



b.) 45 and 225

5	45, 225
3	9, 45
3	3, 15
	1, 5

HcFof 45 and 225 = 5x3x3 = 45

c.) 21, 63, and 189

3	21, 63, 189
7	7, 21, 63
	1 3 9

HcF of 21, 63 and 189 = 3x7 = 21

d.) 87 and 145

29	87, 145
	3, 5

Hence, the common factors are 29

HcF of 87 and 145 = 29

e) 14 and 28

2	14, 28
7	7, 14
	1, 2

HcF of 14 and 28 = 2 x 7 = 14

f) 114, 252, and 228

2	114, 252, 228
2	57, 126, 114
3	38, 63, 57
	12, 21, 19

HcF of 114, 252, and 228 = 12

g) 125, 175, and 225

5	125, 175, 225
5	25, 35, 45
	5, 7, 9

HcF of 125, 175 and 225 = 5 x 5

h.) 27 and 162

3 | 27, 162
3 | 9, 54
3 | 3, 18
1, 6

HcF of 27 and 162 = 3 × 3 × 3 = 27

i.) 69 and 92

23 | 69, 92
3, 4

HcF of 69 and 92 = 23

j.) 96, 144 and 168

2 | 96, 144, 168
2 | 48, 72, 84
2 | 24, 36, 42
3 | 12, 18, 21
4, 6, 7

Hcf of 96, 114, and 168 = 2 × 2 × 2 × 3 =
24