CHAPTER 8 – WHO IS HEAVIER ?

- **MULTIPLICATION AND DIVISION OF MASS**
- **MATHS COPY 2**
- **DATE: 27/01/2022**

WS - 100

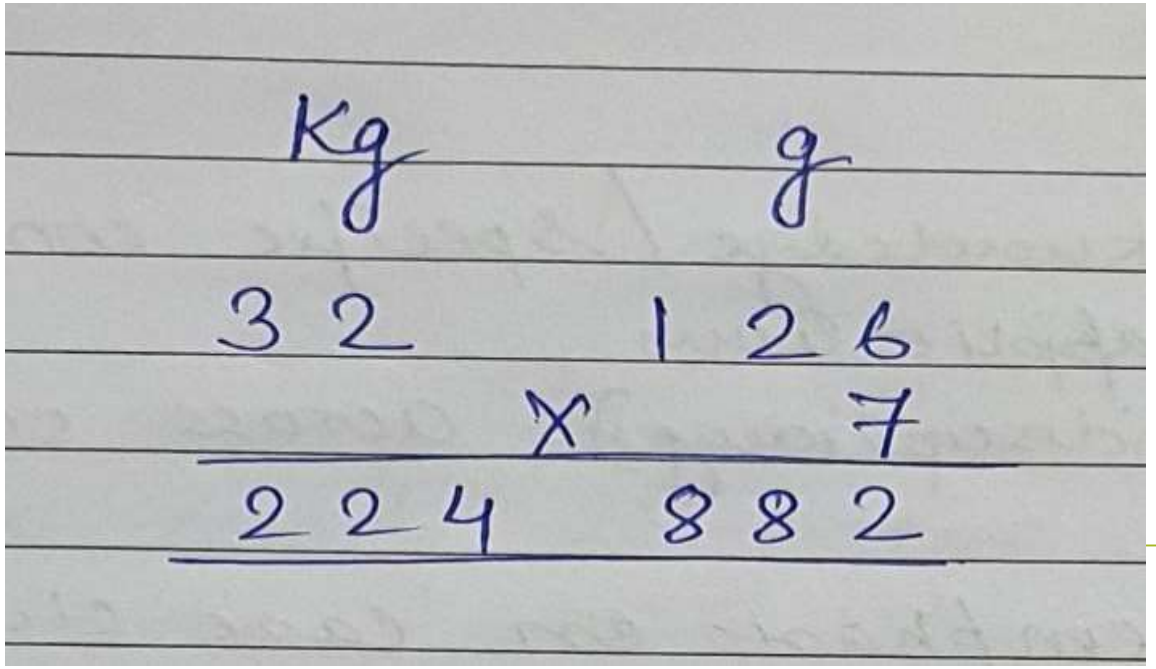
1. Subtract the given weights:

(i) 76 kg 142 g – 24 kg 031 g = 52 kg 111 g
(ii) 62 kg 579 g – 51 kg 560 g = 11kg 019 g
(iii) 100 kg 529 g – 36 kg 610 g = 63 kg 919 g
(iv) 321 kg 450 g – 50 kg 290 g = 271 kg 160 g
(v) 560 kg 000 g – 110 kg 850 g = 449 kg 150 g

2. Add the given weights:

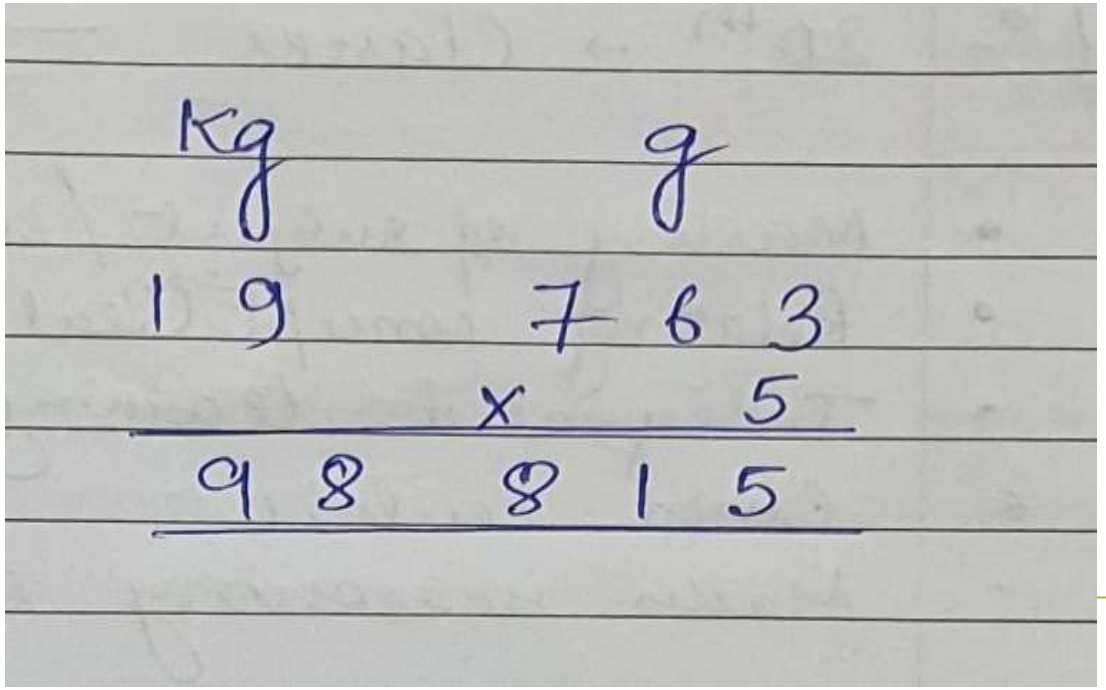
(i) 50 kg 931 g + 38 kg 279 g = 89 kg 210 g
(ii) 66 kg 440 g + 29 kg 666 g = 96 kg 106 g
(iii) 146 kg 636 g + 254 kg 795 g = 401 kg 431 g
(iv) 749 kg 970 g + 114 kg 139 g = 864 kg 109 g
(v) 502 kg 205 g + 479 kg 195 g = 981 kg 400 g

1. MULTIPLY 32 KG 126 G BY 7.



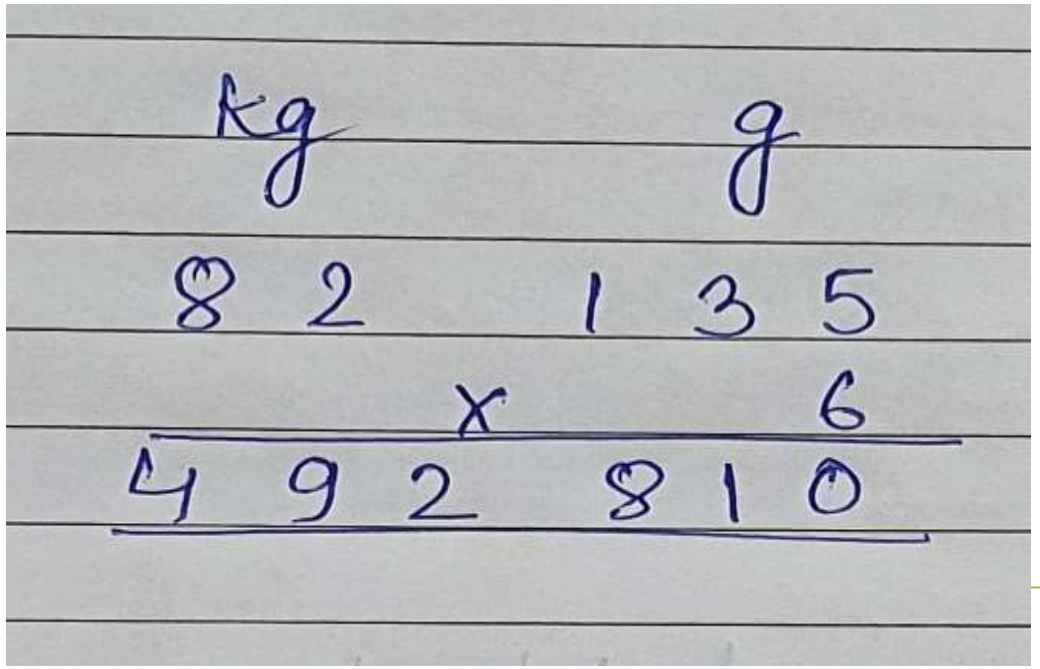
Therefore, 32 kg 126 g × 7 = 224 kg 882 g.

2. MULTIPLY 19 KG 763 G BY 5.



Therefore, 19 kg 763 g × 5 = 98 kg 815 g

3) MULTIPLY 82 KG 135 G BY 6



Therefore , 82 kg 135 g x 6 = 492 kg 810 g

4) Divide 94 kg 464 g by 4

First convert 94 kg 464 g into g

94 kg 464 g = (94 × 1000) g + 464 g

= 94000 g + 464 g

= 94464 g.

Now, Divide 94464 g by 4

```
  23616 g
4 ) 94464
   -8
   14
   -12
   24
   -24
    06
     4
    24
   -24
     0
```

Now, convert 23616 g into kg and g

⇒ 23616 g = (23616 ÷ 1000) kg

= 23 kg 616 g.

Therefore,

94 kg 464 g ÷ 4 = 23 kg 616 g

Process 2

94 kg 464 g ÷ 4

```
  23 kg 616 g
4 ) 94 kg 464 g
   -8↓
   14
   -12
   ×24
   -24
   ××6
    -4↓
    24
   -24
    ××
```

Ans) 94 kg 464 g ÷ 4 = 23 kg 616 g

5) Divide 26 kg 525 g by 5

First convert 26 kg 525 g into g.

We know, 1 kg = 1000 gm

26 kg 525 g = (26 × 1000) g + 525 g

= 26000 g + 525 g

= 26525 g

Now, divide 26525 g by 5

```
   5305
5 ) 26525
   -25
    15
   -15
    02
    -0
    25
   -25
     0
```

Convert 5305 g into kg and g

We know,

1000 g = 1 kg.

5305 g = (5305 ÷ 1000) kg

= 5 kg 305 g.

Therefore,

26 kg 525 g ÷ 5 = 5 kg 305 g

Process 2.

26 kg 525 g ÷ 5

```
      5 kg 305 g
5 ) 26kg 525g (
   -25 ↓  ||
    x1 5  ||
    -15   ||
     xx25 ||
     -25  ||
      xx
```

Ans) 26 kg 525 g ÷ 5 = 5 kg 305 g

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1. Multiply the given:
(i) 7 kg 34 g by 10
(ii) 42 g 30 mg by 5
(iii) 48 kg 16 g by 6
(iv) 80 kg 450 g by 3
(v) 33 g 72 mg by 11

2. Divide the given measures:
(i) 128 kg 32 g by 8
(ii) 46 kg 150 g by 5
(iii) 74 kg 4 g by 6
(iv) 38 g 450 mg by 10
(v) 67 g 325 mg by 5

THANK YOU