

QUICK COVER

RATIO (1)

Task 1 : Simplifying ratios (45 : 63)

Task 2 : Simplifying ratios with mixed units

Task 3 : Expressing in the form 1 : n

Task 4 : Finding missing number $10 : ? = 2 : 3$

Help and Hints.....

TASK 1

Simplify 24 : 30

You can either find the highest common factor of the numbers or you can keep dividing by factors until you can't simplify any further

$$24 : 30$$

$$12 : 15 \quad \div 2$$

$$4 : 5 \quad \div 3$$

or

$$24 : 30$$

$$4 : 5 \quad \div 6$$

TASK 2

Before simplifying both measures must be 'in the same unit'

$$60 \text{ cm} : 1.4 \text{ m}$$

$$60 \text{ cm} : 140 \text{ cm}$$

$$60 : 140$$

$$6 : 14 \quad \div 10$$

$$3 : 7 \quad \div 2$$

Change 1.4 m to cm

TASK 3

RATIO (1)

Express 15 : 105 in the ratio 1 : n

$$\begin{array}{ccc} & 15 : 105 & \\ \div 15 & \curvearrowright & \div 15 \\ & 1 : 7 & \end{array}$$

TASK 4

Complete the ratio $5 : 9 = ? : 63$

$$5 : 9 = ? : 63$$

$$\times 7$$

9 has been multiplied by 7 to get 63

$$5 : 9 = 35 : 63$$

$$\times 7$$

$$5 \times 7 = 35$$

RATIO (1)

TASK 1

1. Simplify 9 : 21
2. Simplify 45 : 63
3. Simplify 12 : 24
4. Simplify 77 : 21
5. Simplify 84 : 132
6. Simplify 55 : 22
7. Simplify 10 : 110
8. Simplify 45 : 9
9. Simplify 84 : 24
10. Simplify 25 : 35
11. Simplify 28 : 44
12. Simplify 24 : 40
13. Simplify 56 : 16
14. Simplify 4 : 14
15. Simplify 14 : 21

TASK 2

1. Simplify 220 cm : 0.6 m
2. Simplify 10.5 litres : 16500 ml
3. Simplify 2 litres : 4400 ml
4. Simplify 0.2 litres : 2200 ml
5. Simplify 270 mm : 99 cm
6. Simplify 1210 mm : 22 cm
7. Simplify 180 cm : 2.7 m
8. Simplify 150 mm : 9 cm
9. Simplify 5.1 kg : 6800 g
10. Simplify 1210 cm : 7.7 m
11. Simplify 200 cm : 5 m
12. Simplify 0.9 kg : 1200 g
13. Simplify 7 kg : 15400 g
14. Simplify 20 mm : 6 cm
15. Simplify 1.1 litres : 2200 ml

TASK 3

1. Express 16 : 112 in the form 1 : n
2. Express 10 : 50 in the form 1 : n
3. Express 16 : 48 in the form 1 : n
4. Express 6 : 72 in the form 1 : n
5. Express 5 : 40 in the form 1 : n
6. Express 4 : 10 in the form 1 : n
7. Express 10 : 70 in the form 1 : n
8. Express 5 : 25 in the form 1 : n
9. Express 6 : 21 in the form 1 : n
10. Express 5 : 45 in the form 1 : n
11. Express 9 : 54 in the form 1 : n
12. Express 10 : 40 in the form 1 : n
13. Express 10 : 70 in the form 1 : n
14. Express 9 : 27 in the form 1 : n
15. Express 5 : 12.5 in the form 1 : n

TASK 4

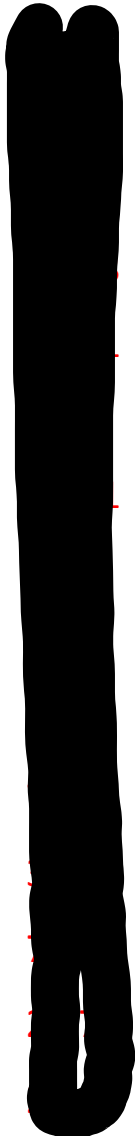
1. Complete the ratio 10 : ? = 2 : 3
2. Complete the ratio 6 : 15 = 2 : ?
3. Complete the ratio ? : 35 = 3 : 7
4. Complete the ratio 20 : 8 = ? : 2
5. Complete the ratio 42 : ? = 7 : 5
6. Complete the ratio 24 : 80 = 3 : ?
7. Complete the ratio ? : 63 = 10 : 7
8. Complete the ratio 30 : 20 = ? : 2
9. Complete the ratio 15 : ? = 3 : 5
10. Complete the ratio 20 : 12 = 5 : ?
11. Complete the ratio ? : 32 = 1 : 4
12. Complete the ratio 14 : 49 = ? : 7
13. Complete the ratio 63 : ? = 7 : 4
14. Complete the ratio 22 : 99 = 2 : ?
15. Complete the ratio ? : 12 = 5 : 1

RATIO (1)

ANSWERS

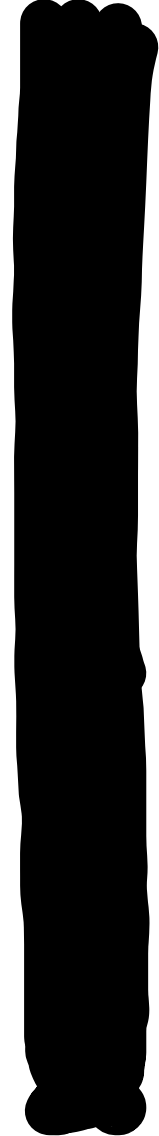
TASK 1

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.



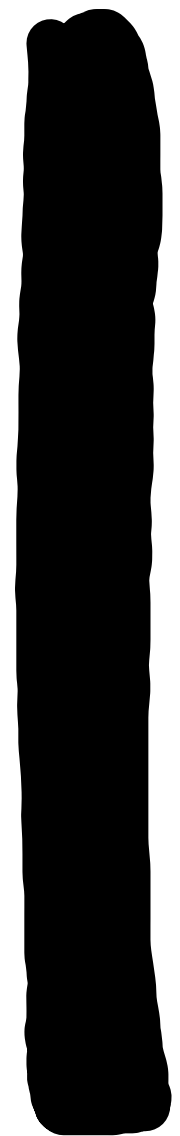
TASK 2

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.



TASK 3

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.



TASK 4

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
- 14.
- 15.

