



# RATIO - METRIC UNITS

Name \_\_\_\_\_

Score \_\_\_\_\_

RO:33

Simplify each ratio in the simplest form.

1)  $169 \text{ m} : 182 \text{ m} =$

2)  $10 \text{ mm} : 30 \text{ mm} =$

3)  $14 \text{ cm} : 28 \text{ cm} : 21 \text{ cm} =$

4)  $88 \text{ m} : 77 \text{ m} : 44 \text{ m} =$

5)  $40 \text{ mm} : 36 \text{ mm} =$

6)  $16 \text{ cm} : 2 \text{ cm} =$

Match the following equivalent ratios.

1)  $7 \text{ m} : 3 \text{ m}$

$11 \text{ m} : 10 \text{ m}$

2)  $10 \text{ m} : 25 \text{ m}$

$2 \text{ m} : 9 \text{ m}$

3)  $18 \text{ m} : 81 \text{ m}$

$8 \text{ m} : 20 \text{ m}$

4)  $132 \text{ m} : 120 \text{ m}$

$35 \text{ m} : 15 \text{ m}$

1) Share 112 cm in the ratio of 3 : 7 : 4

2) Share 143 mm in the ratio of 2 : 9

\_\_\_\_\_

\_\_\_\_\_

3) Divide 96 mm in the ratio of

i) 3 : 2 : 1

ii) 3 : 1

iii) 1 : 5 : 6

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



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## Answer key

RO:33

Simplify each ratio in the simplest form.

1)  $169 \text{ m} : 182 \text{ m} = 13 \text{ m} : 14 \text{ m}$

2)  $10 \text{ mm} : 30 \text{ mm} = 1 \text{ mm} : 3 \text{ mm}$

3)  $14 \text{ cm} : 28 \text{ cm} : 21 \text{ cm} = 2 \text{ cm} : 4 \text{ cm} : 3 \text{ cm}$

4)  $88 \text{ m} : 77 \text{ m} : 44 \text{ m} = 8 \text{ m} : 7 \text{ m} : 4 \text{ m}$

5)  $40 \text{ mm} : 36 \text{ mm} = 10 \text{ mm} : 9 \text{ mm}$

6)  $16 \text{ cm} : 2 \text{ cm} = 8 \text{ cm} : 1 \text{ cm}$

Match the following equivalent ratios.

1)  $7 \text{ m} : 3 \text{ m}$

$11 \text{ m} : 10 \text{ m}$

2)  $10 \text{ m} : 25 \text{ m}$

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$8 \text{ m} : 20 \text{ m}$

4)  $132 \text{ m} : 120 \text{ m}$

$35 \text{ m} : 15 \text{ m}$

1) Share 112 cm in the ratio of 3 : 7 : 4

2) Share 143 mm in the ratio of 2 : 9

24 cm, 56 cm, 32 cm

26 mm, 117 mm

3) Divide 96 mm in the ratio of

i) 3 : 2 : 1

ii) 3 : 1

iii) 1 : 5 : 6

48 mm, 32 mm, 16 mm

72 mm, 24 mm

8 mm, 40 mm, 48 mm