



New Maths GCSE: R4 - Simplifying Ratios

Name:.....

Date:.....

Simplify the ratio

6 : 18

| | | | |
|--------------------|-------------------|-------------------|-----------------------|
| A 1 : 13 | B 1 : 3 | C 3 : 9 | D 1.5 : 4.5 |
|--------------------|-------------------|-------------------|-----------------------|

Correct Answer: A B C D

Explanation:

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Simplify the ratio

9 : 12

| | | | |
|-------------------|-------------------|---------------------|-------------------|
| A 1 : 4 | B 3 : 4 | C 4.5 : 6 | D 1 : 3 |
|-------------------|-------------------|---------------------|-------------------|

Correct Answer: A B C D

Explanation:

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Simplify the ratio

12 : 8

| | | | |
|-------------------|---------------------|-------------------|-------------------|
| A 3 : 2 | B 1.5 : 1 | C 6 : 4 | D 5 : 1 |
|-------------------|---------------------|-------------------|-------------------|

Correct Answer: A B C D

Explanation:

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Simplify 6 : 9

a) 3 : 4.5 b) 2 : 3

c) 1 : 4 d) doesn't simplify

Correct Answer: A B C D

Explanation:

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Put the ratio 10:5 into its simplest form

(a) 2:1 (b) 1:2

(c) 1:1 (d) 1: 0.5

Correct Answer: A B C D

Explanation:

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Which ratio does
15:20
simplify fully to?

A 3:4 **C** 5:4

B 7.5:10 **D** 1:3

RATIO

Correct Answer: A B C D

Explanation:

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Which ratio does
24:32
simplify fully to?

A 12:16 **C** 4:6

B 6:8 **D** 3:4

RATIO

Correct Answer: A B C D

Explanation:

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Which ratio does
 $48:36$
 simplify fully to?

A 4:3 **C** 6:5
B 12:9 **D** 3:2

RATIO

Correct Answer: A B C D

Explanation:

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Which ratio does
 $56:42$
 simplify fully to?

A 8:6 **C** 4:3
B 7:4 **D** 11:7

RATIO

Correct Answer: A B C D

Explanation:

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Which is NOT equivalent to 3:5?

a) 15 : 25 b) 9 : 15
 c) 21 : 28 d) 30 : 50

Correct Answer: A B C D

Explanation:

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