

Decide whether two ratios are equivalent

NAME	DATE	SCORE / 10
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1 Which statement about the ratios 4:7 and 5:8 is true?

- ☐ Equivalent: both numbers are multiplied by 2
- ☐ Not equivalent: 1 is added to both, not multiplied
- ☐ Equivalent: 1 is added to both numbers
- ☐ Not equivalent: the second ratio has bigger numbers

2 Which of these ratios are equivalent to 5 : 3?

Tick every answer that is true.

- ☐ **A** 30 : 18
- ☐ **B** 11 : 9
- ☐ **C** 25 : 8
- ☐ **D** 25 : 15
- ☐ **E** 16 : 9

3 Which statement about the ratios 3:4 and 15:20 is true?

- ☐ Equivalent: 12 is added to both numbers
- ☐ Not equivalent: the second ratio has bigger numbers
- ☐ Equivalent: both numbers are multiplied by 5
- ☐ Not equivalent: 12 is added to one and 16 to the other

4 Which of these ratios are equivalent to 2 : 5?

Tick every answer that is true.

- ☐ **A** 8 : 11
- ☐ **B** 12 : 30
- ☐ **C** 4 : 10
- ☐ **D** 4 : 7
- ☐ **E** 11 : 25

5 Which statement about the ratios 4:5 and 10:11 is true?

- ☐ Equivalent: 6 is added to both numbers
 - ☐ Not equivalent: the second ratio has bigger numbers
 - ☐ Equivalent: both numbers are multiplied by 2
 - ☐ Not equivalent: 6 is added to both, not multiplied
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6 Which of these ratios are equivalent to 2 : 7?

Tick every answer that is true.

- ☐ **A** 6 : 21
 - ☐ **B** 4 : 9
 - ☐ **C** 7 : 2
 - ☐ **D** 10 : 35
 - ☐ **E** 4 : 14
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7 Which statement about the ratios 2:3 and 11:12 is true?

- ☐ Not equivalent: the second ratio has bigger numbers
 - ☐ Not equivalent: 9 is added to both, not multiplied
 - ☐ Equivalent: 9 is added to both numbers
 - ☐ Equivalent: both numbers are multiplied by 2
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8 Which of these ratios are equivalent to 5 : 7?

Tick every answer that is true.

- ☐ **A** 31 : 42
 - ☐ **B** 25 : 35
 - ☐ **C** 15 : 21
 - ☐ **D** 10 : 14
 - ☐ **E** 10 : 12
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9 Which statement about the ratios 6:7 and 9:10 is true?

- ☐ Not equivalent: 3 is added to both, not multiplied
- ☐ Equivalent: 3 is added to both numbers
- ☐ Not equivalent: the second ratio has bigger numbers
- ☐ Equivalent: both numbers are multiplied by 2

10 Which of these ratios are equivalent to 6 : 5?

Tick every answer that is true.

☐ **A** 24 : 20

☐ **B** 12 : 10

☐ **C** 5 : 6

☐ **D** 30 : 25

☐ **E** 37 : 30

Decide whether two ratios are equivalent

1 Not equivalent: 1 is added to both, not multiplied

3 Equivalent: both numbers are multiplied by 5

5 Not equivalent: 6 is added to both, not multiplied

7 Not equivalent: 9 is added to both, not multiplied

9 Not equivalent: 3 is added to both, not multiplied

2 A, D

Tick exactly these: A: 30 : 18; D: 25 : 15. One missed or one extra is wrong.

4 B, C

Tick exactly these: B: 12 : 30; C: 4 : 10. One missed or one extra is wrong.

6 A, D, E

Tick exactly these: A: 6 : 21; D: 10 : 35; E: 4 : 14. One missed or one extra is wrong.

8 B, C, D

Tick exactly these: B: 25 : 35; C: 15 : 21; D: 10 : 14. One missed or one extra is wrong.

10 A, B, D

Tick exactly these: A: 24 : 20; B: 12 : 10; D: 30 : 25. One missed or one extra is wrong.
