

Decide whether two ratios are equivalent

NAME	DATE	SCORE / 10
------	------	----------------------

1 Which statement about the ratios 5:4 and 8:7 is true?

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

2 Which of these ratios are equivalent to 7 : 3?

Tick every answer that is true.

- ☐ **A** 35 : 8
☐ **B** 28 : 12
☐ **C** 3 : 7
☐ **D** 42 : 18
☐ **E** 35 : 15

3 Which statement about the ratios 2:7 and 4:14 is true?

- ☐ Not equivalent: 2 is added to one and 7 to the other
☐ Not equivalent: the second ratio has bigger numbers
☐ Equivalent: both numbers are multiplied by 2 ☐ Equivalent: 2 is added to both numbers

4 Which of these ratios are equivalent to 7 : 6?

Tick every answer that is true.

- ☐ **A** 35 : 30
☐ **B** 42 : 36
☐ **C** 6 : 7
☐ **D** 28 : 24
☐ **E** 15 : 12

5 Which statement about the ratios 4:5 and 15:16 is true?

- ☐ Equivalent: 11 is added to both numbers
 - ☐ Not equivalent: the second ratio has bigger numbers
 - ☐ Not equivalent: 11 is added to both, not multiplied
 - ☐ Equivalent: both numbers are multiplied by 2
-

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

Tick every answer that is true.

- ☐ **A** 18 : 8
 - ☐ **B** 2 : 3
 - ☐ **C** 7 : 4
 - ☐ **D** 9 : 6
 - ☐ **E** 12 : 8
-

7 Which statement about the ratios 7:3 and 12:8 is true?

- ☐ Equivalent: 5 is added to both numbers ☐ Equivalent: both numbers are multiplied by 2
 - ☐ Not equivalent: the second ratio has bigger numbers
 - ☐ Not equivalent: 5 is added to both, not multiplied
-

8 Which of these ratios are equivalent to 5 : 8?

Tick every answer that is true.

- ☐ **A** 25 : 40
 - ☐ **B** 10 : 16
 - ☐ **C** 31 : 48
 - ☐ **D** 8 : 5
 - ☐ **E** 20 : 32
-

9 Which statement about the ratios 7:4 and 28:16 is true?

- ☐ Equivalent: 21 is added to both numbers
- ☐ Not equivalent: the second ratio has bigger numbers
- ☐ Not equivalent: 21 is added to one and 12 to the other
- ☐ Equivalent: both numbers are multiplied by 4

10 Which of these ratios are equivalent to 4 : 7?

Tick every answer that is true.

☐ **A** 20 : 12

☐ **B** 7 : 4

☐ **C** 8 : 14

☐ **D** 20 : 35

☐ **E** 12 : 21

Decide whether two ratios are equivalent

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

3 Equivalent: both numbers are multiplied by 2

5 Not equivalent: 11 is added to both, not multiplied

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

9 Equivalent: both numbers are multiplied by 4

2 B, D, E

Tick exactly these: B: 28 : 12; D: 42 : 18; E: 35 : 15.
One missed or one extra is wrong.

4 A, B, D

Tick exactly these: A: 35 : 30; B: 42 : 36; D: 28 : 24.
One missed or one extra is wrong.

6 D, E

Tick exactly these: D: 9 : 6; E: 12 : 8. One missed or one extra is wrong.

8 A, B, E

Tick exactly these: A: 25 : 40; B: 10 : 16; E: 20 : 32.
One missed or one extra is wrong.

10 C, D, E

Tick exactly these: C: 8 : 14; D: 20 : 35; E: 12 : 21.
One missed or one extra is wrong.