# Compare and order (denominator)

1. Colour the bar models to show the fractions.

14

**2**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

20

**1** Write < , > or = to compare the fractions.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |

 9

Use the bar models to help you. 10

## a)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

1 3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

5 5 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |

5

1. 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

5 4 4

7 7

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |

* 1. Use the bar models to sort these fractions in order from greatest

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

* 1. to smallest.

4 3

4 4 14 9

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

20 10

## d)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

3 7

8 8 greatest

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

4 3

5 4

smallest

1. **c)** Order the fractions from smallest to greatest.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 | 6 |  7  |  1  | 2 |  3  |
| 9 | 9 | 10 | 2 | 5 | 10 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |

1. What do you notice about your answers?

1. Complete the sentence.

When the denominators are the same, the the numerator, the the fraction.

smallest

greatest

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**5**

Write < , > or = to compare the fractions.

**a)**

3

4

5

6

**d)**

3

5

5

7

**b)**

2

3

5

9

**e)**

 9

10

3

4

**c)**

2

3

7

8

**f)**

 9

10

19

20

Annie, Tommy and Kim are making flags for the school fair.

Annie has completed 3 3 flags, Tommy has completed 3 2 flags

4

3

and Kim has completed 18 flags.

5

Who has completed the most flags?

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**6**

Amir is comparing the fractions 4 and 3

**3**

15 10

Explain Amir’s method.

Ron and Rosie are practising penalties.

Ron scored 7 out of 10.

Rosie scored 23 out of 30

I scored more than you, so I should take penalties for the

school team.

I did not miss as

many as you, so I should take the penalties.

**4**

Compare fractions to explain who should take penalties for the school team.

* 1. Colour the bar models to compare 3

**2**

**Compare and order (numerator)**

4

and 6

10

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |

**1** Use strips of paper to represent the fractions and complete the sentences.

* 1. Write < , > or = to complete the statement.
		1. 1 , 1 and 1

3 5 6

The smallest fraction is

The greatest fraction is

Which is the greatest fraction? Circle your answer.

**3**

**b)** 2 , 2

|  |  |  |  |
| --- | --- | --- | --- |
|  |  **3**  |  **3**  |  **3**  |
| 2 | **100** | **1000** | **500** |
| 6 |  |  |  |

and

3 5

The smallest fraction is

The greatest fraction is

How do you know?

1. 3 , 3 and 3

**4**

3 5 6

Write < or > to compare the fractions.

The smallest fraction is

The greatest fraction is

**a)** 1 1

7 9

**d)** 11 11

12 11

1. What do you notice about your answers?
2. Complete the sentence.

When the are the same, the the denominator, the the fraction.

**b)** 4 4

5 7

## c)

|  |  |
| --- | --- |
|  3  | 3 |
| 13 | 8 |

**e)**

**f)** 107

|  |  |
| --- | --- |
| 19 | 19 |
| 5 | 6 |

53

107

40

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Explain how can you compare 2

**5**

3

and 4

5

using the same

numerator rule.

Complete the sentence to compare 2

3

and 4

5

**7**

Write < , > or = to complete each statement.

**a)**

2

5

11

3

**b)**

2

5

 6

11

**c)**

3 2

3

11

4

12

5

1

3

1 2

5

3 6

11

112

9

101

3

12

5

11

3

3 2

5

3 6

11

111

9

100

8

12

5

12

3

12

5

36

11

27 3

4

111

3

**8**

Explain how you know when it is best to compare the numerators

or denominators of two fractions.

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is greater than

Scott scored 20 out of 24 in a game. Dani scored 5 out of 7

**6**

Compare their scores.

Explain who you think did best and why.