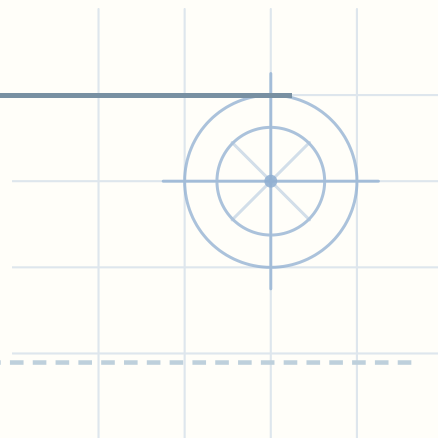


Arithmetic and geometric sequences — The common ratio

Name: _____

Date: _____

Find the common ratio of each sequence.



1 6, -24, 96, ... the common ratio = _____

2 1, 4, 16, ... the common ratio = _____

3 6, -12, 24, ... the common ratio = _____

4 7, 28, 112, ... the common ratio = _____

5 8, -16, 32, ... the common ratio = _____

6 12, 48, 192, ... the common ratio = _____

7 8, 48, 288, ... the common ratio = _____

8 6, 12, 24, ... the common ratio = _____



Arithmetic and geometric sequences · The common ratio

— Answer key

1. 6, -24, 96, ... the
common ratio = -4

5. 8, -16, 32, ... the
common ratio = -2

2. 1, 4, 16, ... the common
ratio = 4

6. 12, 48, 192, ... the
common ratio = 4

3. 6, -12, 24, ... the
common ratio = -2

7. 8, 48, 288, ... the
common ratio = 6

4. 7, 28, 112, ... the
common ratio = 4

8. 6, 12, 24, ... the common
ratio = 2

