

Gears

Bands 1, 2, 3, 4, 5 · 10 questions · Free sample

Name _____ Date _____ Score _____ /10

Each picture asks its own question: which lettered gear turns the way it says, or turns fastest. The blue gear drives the rest the way its arrow shows. Touching gears turn opposite ways; a belt keeps the direction and a crossed belt reverses it; two gears on one axle turn together. Circle the letter of your answer.

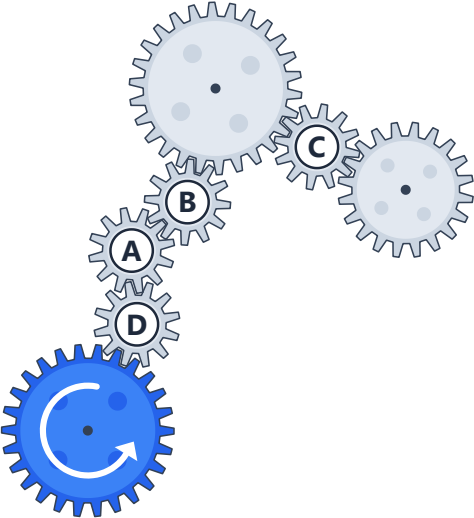
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1

Band 1

↺

 Which gear turns anticlockwise?



A

A

B

B

C

C

D

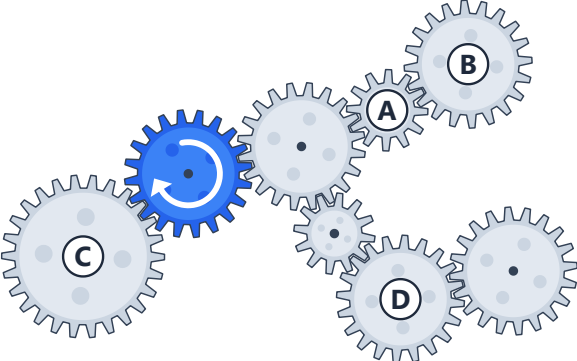
D

2

Band 1

↻

 Which gear turns clockwise?



A

A

B

B

C

C

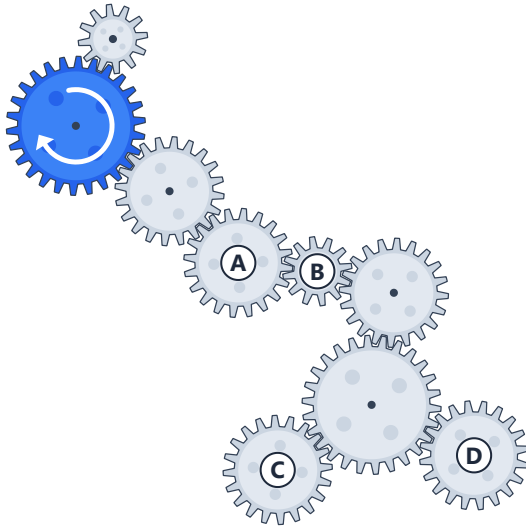
D

D

3

Band 2

↺ Which gear turns anticlockwise?



A

A

B

B

C

C

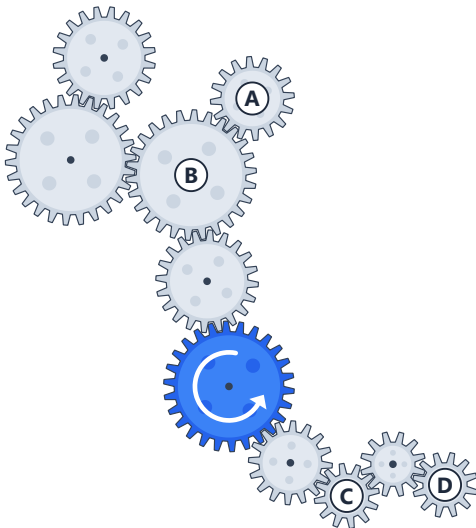
D

D

4

Band 2

↻ Which gear turns clockwise?



A

A

B

B

C

C

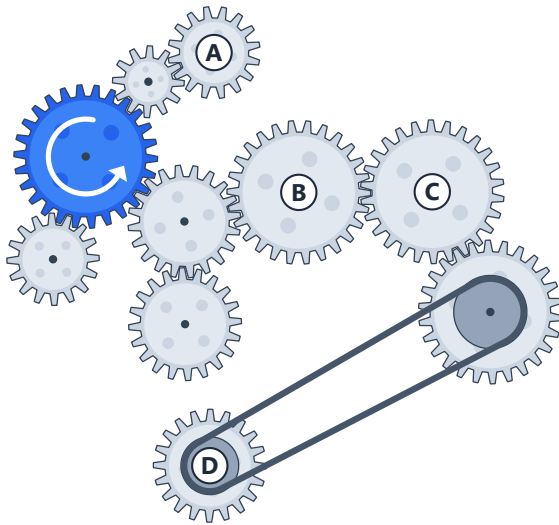
D

D

5

Band 3

↻ Which gear turns clockwise?



A

A

B

B

C

C

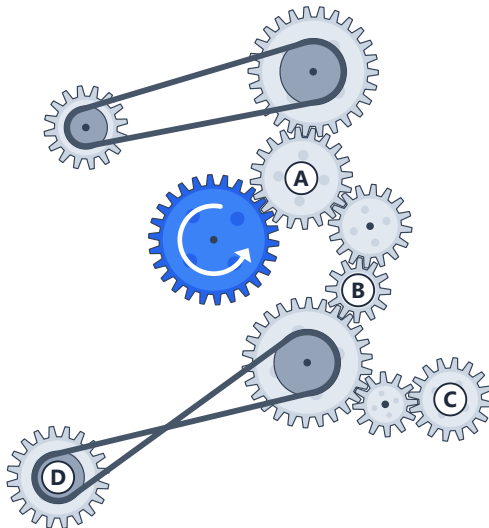
D

D

6

Band 3

↺ Which gear turns anticlockwise?



A

A

B

B

C

C

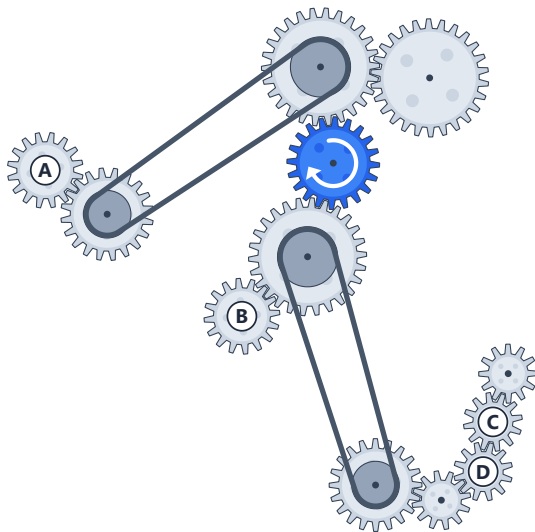
D

D

7

Band 4

Which gear turns anticlockwise?



A

A

B

B

C

C

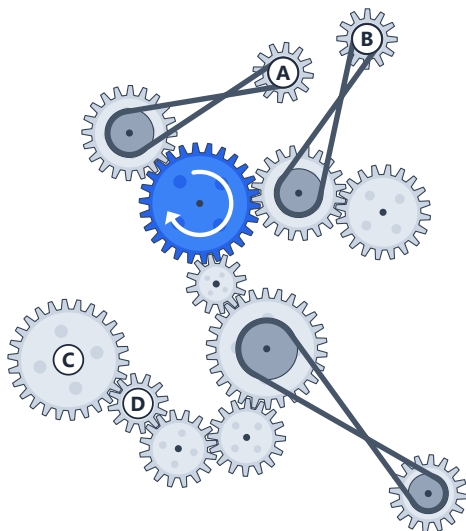
D

D

8

Band 4

Which gear turns anticlockwise?



A

A

B

B

C

C

D

D

Band 5

A

B

C

D

Band 5

The diagram illustrates a mechanical gear system. A central blue gear with a white rotation arrow is meshed with a grey gear labeled 'B'. Gear 'B' is meshed with a grey gear labeled 'A'. Gear 'A' is meshed with a grey gear labeled 'C'. Gear 'C' is meshed with a grey gear labeled 'D'. Gear 'D' is meshed with a grey gear labeled 'E'. Gear 'E' is meshed with a grey gear labeled 'F'. Gear 'F' is meshed with a grey gear labeled 'G'. Gear 'G' is meshed with a grey gear labeled 'H'. Gear 'H' is meshed with a grey gear labeled 'I'. Gear 'I' is meshed with a grey gear labeled 'J'. Gear 'J' is meshed with a grey gear labeled 'K'. Gear 'K' is meshed with a grey gear labeled 'L'. Gear 'L' is meshed with a grey gear labeled 'M'. Gear 'M' is meshed with a grey gear labeled 'N'. Gear 'N' is meshed with a grey gear labeled 'O'. Gear 'O' is meshed with a grey gear labeled 'P'. Gear 'P' is meshed with a grey gear labeled 'Q'. Gear 'Q' is meshed with a grey gear labeled 'R'. Gear 'R' is meshed with a grey gear labeled 'S'. Gear 'S' is meshed with a grey gear labeled 'T'. Gear 'T' is meshed with a grey gear labeled 'U'. Gear 'U' is meshed with a grey gear labeled 'V'. Gear 'V' is meshed with a grey gear labeled 'W'. Gear 'W' is meshed with a grey gear labeled 'X'. Gear 'X' is meshed with a grey gear labeled 'Y'. Gear 'Y' is meshed with a grey gear labeled 'Z'. Gear 'Z' is meshed with a grey gear labeled 'A'.

A

B

C

D

