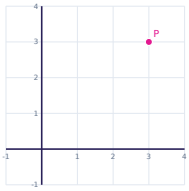
Task card 1 Dilations & Scale Factor

Dilate P(3, 3) by a scale factor of 2. What are the coordinates of P'?

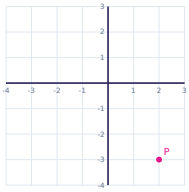


Task card 2 Dilations & Scale Factor

A dilation maps P(-2, 2) to P'(-6, 6). What is the scale factor?

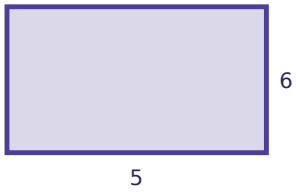
Task card 3 Dilations & Scale Factor

Dilate P(2, -3) by a scale factor of 2. What are the coordinates of P'?



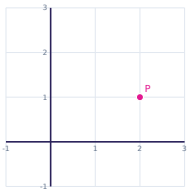
Task card 4 Dilations & Scale Factor

A rectangle is 5 units long and 6 units wide. It is dilated by a scale factor of 2. How long is the longer side of the image?



Task card 5 Dilations & Scale Factor

Dilate P(2, 1) by a scale factor of 3. What are the coordinates of P'?

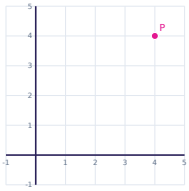


Task card 6 Dilations & Scale Factor

A dilation maps P(-3, 2) to P'(-6, 4). What is the scale factor?

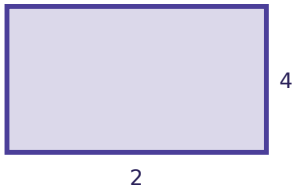
Task card 7 Dilations & Scale Factor

Dilate P(4, 4) by a scale factor of 2. What are the coordinates of P'?



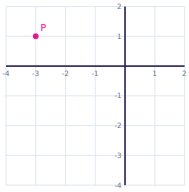
Task card 8 Dilations & Scale Factor

A rectangle is 2 units long and 4 units wide. It is dilated by a scale factor of 2. How long is the longer side of the image?



Task card 9 Dilations & Scale Factor

Dilate P(-3, 1) by a scale factor of 2. What are the coordinates of P'?

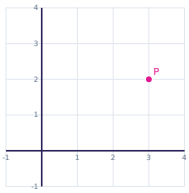


Task card 10 Dilations & Scale Factor

A dilation maps P(-3, 4) to P'(-6, 8). What is the scale factor?

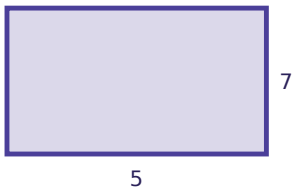
Task card 11 Dilations & Scale Factor

Dilate P(3, 2) by a scale factor of 2. What are the coordinates of P'?



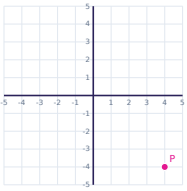
Task card 12 Dilations & Scale Factor

A rectangle is 5 units long and 7 units wide. It is dilated by a scale factor of 3. How long is the longer side of the image?



Task card 13 Dilations & Scale Factor

Dilate P(4, -4) by a scale factor of 2. What are the coordinates of P'?

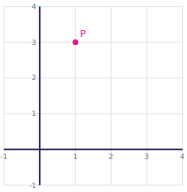


Task card 14 Dilations & Scale Factor

A dilation maps P(1, -1) to P'(3, -3). What is the scale factor?

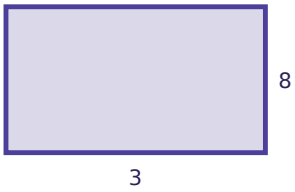
Task card 15 Dilations & Scale Factor

Dilate P(1, 3) by a scale factor of 3. What are the coordinates of P'?



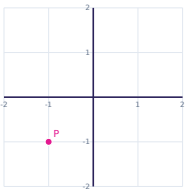
Task card 16 Dilations & Scale Factor

A rectangle is 3 units long and 8 units wide. It is dilated by a scale factor of 2. How long is the longer side of the image?



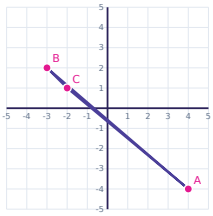
Task card 17 Dilations & Scale Factor

Dilate P(-1, -1) by a scale factor of 3. What are the coordinates of P'?



Task card 18 Dilations & Scale Factor

Triangle ABC is dilated by a scale factor of 3. What are the coordinates of B'?



Task card 19 Dilations & Scale Factor

A dilation maps P(-2, 1) to P'(-8, 4). What is the scale factor?

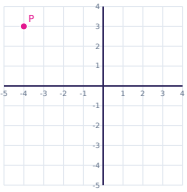
Task card 20 Dilations & Scale Factor

A rectangle is 4 units long and 2 units wide. It is dilated by a scale factor of 4. How long is the longer side of the image?



Task card 21 Dilations & Scale Factor

Dilate P(-4, 3) by a scale factor of 3. What are the coordinates of P'?

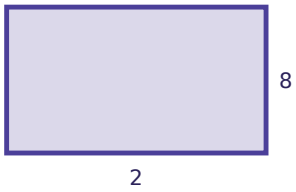


Task card 22 Dilations & Scale Factor

A dilation maps P(-3, 1) to P'(-9, 3). What is the scale factor?

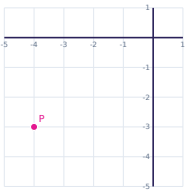
Task card 23 Dilations & Scale Factor

A rectangle is 2 units long and 8 units wide. It is dilated by a scale factor of 3. How long is the longer side of the image?



Task card 24 Dilations & Scale Factor

Dilate P(-4, -3) by a scale factor of 3. What are the coordinates of P'?



Dilations & Scale Factor Task Cards

Recording sheet · Grade 8 · All dilations are centered at the origin. Write points as (x, y) and scale factors as whole numbers or fractions.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Dilations & Scale Factor Task Cards: Answer Key

Grade 8 · Easy

The answers online

1. (6, 6)	**2.** 3	**3.** (4, -6)
4. 12	**5.** (6, 3)	**6.** 2
7. (8, 8)	**8.** 8	**9.** (-6, 2)
10. 2	**11.** (6, 4)	**12.** 21
13. (8, -8)	**14.** 3	**15.** (3, 9)
16. 16	**17.** (-3, -3)	**18.** (-9, 6)
19. 4	**20.** 16	**21.** (-12, 9)
22. 3	**23.** 24	**24.** (-12, -9)