

Most Ratio, scale and sharing

Find and use scale factors.

Name _____

Page 1 of 2

- 1** A shape's side is enlarged from 5 cm to 10 cm. What is the scale factor?

Circle the answer.

10

3

2

5

- 2** Two rectangles are similar. The small one is 2 cm by 6 cm. The larger one is 8 cm wide. How tall is it, in cm?

Circle the answer.

10

48

6

24

- 3** A line is 3 cm long. It is enlarged by scale factor 4. How long is it now, in cm?

Circle the answer.

15

12

3

9

- 4** Two rectangles are similar. The small one is 5 cm by 7 cm. The larger one is 15 cm wide. How tall is it, in cm?

Circle the answer.

7

21

10

105

- 5** Two rectangles are similar. The small one is 2 cm by 4 cm. The larger one is 8 cm wide. How tall is it, in cm?

Circle the answer.

4

32

8

16

- 6** A shape's side is enlarged from 5 cm to 25 cm. What is the scale factor?

Circle the answer.

20

5

6

25

 Free to print and share. Posting it online? Please link to www.tigersharkeducation.co.uk/resources

For adaptive SATs maths practice that targets each child's weak spots, try the
Tiger Shark Education Year 6 SATs Practice app
www.tigersharkeducation.co.uk

Most Ratio, scale and sharing (continued)

Find and use scale factors.

Page 2 of 2

- 7** Two rectangles are similar. The small one is 2 cm by 6 cm. The larger one is 6 cm wide. How tall is it, in cm?

Circle the answer.

18

36

9

6

- 8** Two rectangles are similar. The small one is 6 cm by 8 cm. The larger one is 18 cm wide. How tall is it, in cm?

Circle the answer.

144

11

18

24

- 9** Two rectangles are similar. The small one is 4 cm by 4 cm. The larger one is 16 cm wide. How tall is it, in cm?

Circle the answer.

4

64

16

8

- 10** A line is 3 cm long. It is enlarged by scale factor 3. How long is it now, in cm?

Circle the answer.

9

6

12

3

- 11** A line is 9 cm long. It is enlarged by scale factor 5. How long is it now, in cm?

Circle the answer.

36

54

9

45

- 12** A line is 6 cm long. It is enlarged by scale factor 2. How long is it now, in cm?

Circle the answer.

12

18

6

8

 Free to print and share. Posting it online? Please link to www.tigersharkeducation.co.uk/resources

For adaptive SATs maths practice that targets each child's weak spots, try the
Tiger Shark Education Year 6 SATs Practice app
www.tigersharkeducation.co.uk

Ratio, scale and sharing: answers

Most sheet

Most Find and use scale factors.

1 2 $10 \div 5 = 2$

2 24 $8 \div 2 = 4, 6 \times 4 = 24$

3 12 $3 \times 4 = 12$

4 21 $15 \div 5 = 3, 7 \times 3 = 21$

5 16 $8 \div 2 = 4, 4 \times 4 = 16$

6 5 $25 \div 5 = 5$

7 18 $6 \div 2 = 3, 6 \times 3 = 18$

8 24 $18 \div 6 = 3, 8 \times 3 = 24$

9 16 $16 \div 4 = 4, 4 \times 4 = 16$

10 9 $3 \times 3 = 9$

11 45 $9 \times 5 = 45$

12 12 $6 \times 2 = 12$

Free to print and share. Posting it online? Please link to www.tigersharkeducation.co.uk/resources

**For adaptive SATs maths practice that targets each child's weak spots, try the
Tiger Shark Education Year 6 SATs Practice app**
www.tigersharkeducation.co.uk