

All Ratio, scale and sharing

Name _____

Page 1 of 2

Use a ratio to find a missing amount.

- 1** The ratio of red beads to blue beads is 4:5. There are 28 red beads. How many blue beads are there?

Circle the answer.

28

30

35

40

- 2** 2 pencils cost 18 pence. How much do 8 pencils cost, in pence?

Circle the answer.

90

54

72

144

- 3** A recipe for 5 people uses 170 grams of sugar. How many grams are needed for 30 people?

Circle the answer.

5100

850

1020

170

- 4** 2 apples cost 4 pence. How much do 6 apples cost, in pence?

Circle the answer.

12

24

8

16

- 5** The ratio of roses to tulips is 1:2. There are 4 roses. How many tulips are there?

Circle the answer.

4

10

8

6

- 6** A recipe for 2 people uses 120 grams of oats. How many grams are needed for 8 people?

Circle the answer.

480

240

600

120

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All Ratio, scale and sharing (continued)

Use a ratio to find a missing amount.

Page 2 of 2

- 7** 6 pencils cost 30 pence. How much do 36 pencils cost, in pence?

Circle the answer.

180

30

1080

150

- 8** The ratio of vans to cars is 4:3. There are 36 vans. How many cars are there?

Circle the answer.

108

30

24

27

- 9** A recipe for 2 people uses 150 grams of rice. How many grams are needed for 12 people?

Circle the answer.

1800

900

750

300

- 10** 4 apples cost 20 pence. How much do 12 apples cost, in pence?

Circle the answer.

40

240

60

80

- 11** The ratio of blue beads to red beads is 2:1. There are 8 blue beads. How many red beads are there?

Circle the answer.

3

8

5

4

- 12** A recipe for 2 people uses 60 grams of butter. How many grams are needed for 12 people?

Circle the answer.

360

420

720

120

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Ratio, scale and sharing: answers

All sheet

All Use a ratio to find a missing amount.

1 35 $28 \div 4 = 7, 7 \times 5 = 35$

2 72 $18 \div 2 = 9, 9 \times 8 = 72$

3 1020 $170 \div 5 = 34, 34 \times 30 = 1,020$

4 12 $4 \div 2 = 2, 2 \times 6 = 12$

5 8 $4 \div 1 = 4, 4 \times 2 = 8$

6 480 $120 \div 2 = 60, 60 \times 8 = 480$

7 180 $30 \div 6 = 5, 5 \times 36 = 180$

8 27 $36 \div 4 = 9, 9 \times 3 = 27$

9 900 $150 \div 2 = 75, 75 \times 12 = 900$

10 60 $20 \div 4 = 5, 5 \times 12 = 60$

11 4 $8 \div 2 = 4, 4 \times 1 = 4$

12 360 $60 \div 2 = 30, 30 \times 12 = 360$

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