Ratio and Rates Word Problems - Independent Practice Worksheet

Complete the following questions.

I. Complete the ratio tables.

1.

11	16
22	32
	48
44	64
55	80

2.

9	7
18	14
27	21
36	28

3.

4	6
8	12
16	24
20	30

Ratios and Units of Measurement - Independent Practice Worksheet

Complete all the problems.
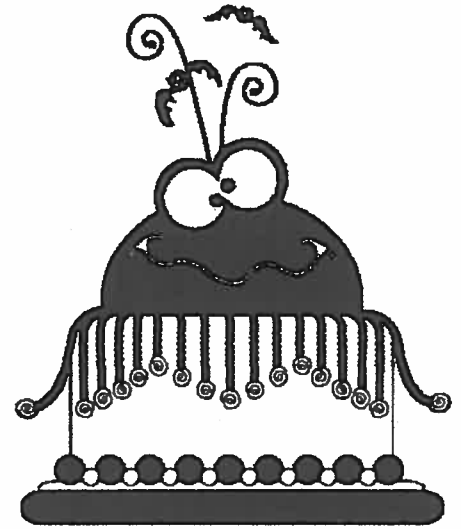
1) 5 feet 2 inches = _____ inches

2) 8 m 12 cm = _____ cm

3) 7085 g = _____ kg _____ g

4) 2 tons = _____ pounds

5) 6 yards = _____ feet

6) Multiply.

3 times of 5 feet 1 inch = _____ feet _____ inches

7) Divide.

18 tons 42 pounds divided by 3 = _____ tons _____ pounds

8) Multiply.

3 times of 4 yards 2 foot = _____ yards _____ feet

9) Divide.

15 kg 30gm divided by 5 = _____ kg _____gm

10) Multiply.

24 times 4 tons 2 pounds = _____ tons _____pounds

Name: _____   Date _____

Topic : Ratio Word Problems - Worksheet 1

Complete the following word problems.

1. Which is bigger, one seventh of 14 or half of 36?

2. Bob can draw 14 shapes in 7 minutes. How long does it take Bob to draw 28 shapes at the same rate?

3. Jack is at a shop and sees that 5 antiques cost $10. He needs 30 antiques to make a small museum. How much will the 30 antiques cost?

4. It takes 16 people to play a 30 minute Rugby game. How many people would it take to play a 60 minute game?

5. Which is smaller, half of 36 or one-seventh of 42?

6. If a bottle rotates through 270 degrees in 3 seconds, how many degrees does it rotate in 2 seconds?

7. Which is larger, one-thirteenth of 26 or one-sixth of 72?

8. Mazy is looking for his bow and discovers that he has 20 shirts for every 2 pair of bows. If he has 50 shirts, how many pairs of bows does he have?

9. Two numbers are in a ratio of 7:4. Their sum is 220. Find the bigger number.

10. Which is smaller, one-sixth of 54 or one-third of 21?

Topic : Ratio Word Problems - Worksheet 2

Complete the following word problems

1. Which is smaller, one-sixth of 54 or one-third of 21?

2. Jimmy can draw 16 circles in 4 minutes. How long does it take Jimmy to draw 32 circles at the same rate?

3. Jixi is at the shop and sees that 7 antiques cost $14. He needs 56 antiques to create a small museum. How much will 56 antiques cost?

4. It takes 14 people to play a 42 minute football game. How many people would it take to play a 60 minute football game?

5. Which is bigger, one-third of 18 or three-fourths of 20?

6. If the big hand of the clock rotates through 90 degrees in 15 minutes, how many degrees are made in 45 minutes?

7. Which is smaller, two-thirds of 27 or two-fifths of 20?

8. Mickey is looking for his ties and discovers that he has 20 shirts for every 4 ties. If he has 30 shirts, how many ties does he have?

9. Two numbers are in a ratio of 5:4. Their sum is 720. Find the bigger number.

10. Which is smaller, one-ninth of 54 or one-fourth of 36?

Topic : Ratio Word Problems - Worksheet 3

Complete the following word problems

1. Which is bigger, one-eighth of 24 of three-fourths of 24?

2. Cheeky can draw 15 squares in 5 minutes. How long does it take Cheeky to draw 75 squares at the same rate?

3. Emmy is at the shop and sees that 6 antiques cost $12. She needs 36 antiques to make a small museum. How much will the antiques cost?

4. It takes 15 people to play a 13 minute pool game. How many people would it take to play a 39 minute game?

5. Which is smaller, one-fifth of 40 or three-fourths of 36?

6. If a bottle rotates 140 degrees in 70 minutes, how many degrees will it rotate in 28 minutes?

7. Which is smaller, two-fifths of 25 or one-sixth of 42?

8. Davis is looking for his trousers and discovers that he has 24 shirts for every 8 trousers. If he has 18 shirts, how many trousers does he have?

9. Two numbers are in a ratio of 3:6.Their sum is 63.Find the bigger number.

10. Which is bigger, two-sevenths of 35 or one-third of 45?

Topic : Ratio Word Problems - Worksheet 4

Complete the following word problems

1. Which is smaller, one fourth of 28 or one fourth of 24?

2. Alma can draw 4 triangles in 12 minutes. How long does it take Alma to draw 28 triangles at the same rate?

3. John is at the shop and sees that 5 antiques cost $10. He needs 25 antiques to make a small museum. How much will 25 antiques cost?

4. It takes 12 people to play a 4 minute pool game. How many people would it take to play a 36 minute game?

5. Which is smaller, one-sixth of 36 or three-fourths of 16?

6. If a bottle rotates through 250 degrees in 50 minutes, how many degrees will it rotate in 5 minutes?

7. Which is lesser, one eighth of 24 or one seventh of 42?

8. Duke is looking for his trousers and discovers that he has 25 shirts for every 5 trousers. If he has 10 shirts, how many trousers does he have?

9. Two numbers are in a ratio of 5:3.Their sum is 64.Find the bigger number.

10. Which is bigger, two-fifths of 35 or one-ninth of 45?

Topic : Ratio Word Problems - Worksheet 5

Complete the following word problems

1.   Which is bigger, one third of 24 or one fourth of 40?

2.   Kelly can draw 15 shapes in 3 minutes. How long does it take Kelly to draw 5 shapes at the same rate?

3.   George is at the shop and sees that 6 antiques cost $18. He needs 48 antiques to make a small museum. How much will 48 antiques cost?

4.   It takes 10 people to play a 5 minute pool game. How many people would it take to play a 30 minute game?

5.   Which is bigger, one-fifth of 35 or two-sixths of 24?

6.   If a bottle rotates through 150 degrees in 30 minutes, how many degrees will it rotate in 5 minutes?

7.   Which is bigger, one fifth of 45 or half of 42?

8.   Harry is looking for his trousers and discovers that he has 50 shirts for every 25 trousers. If he has 20 shirts, how many trousers does he have?

9.   Two numbers are in a ratio of 4:3.Their sum is 63.Find the bigger number.

10. Which is smaller, one-fifth of 30 or one-ninth of 27?

Name: _____   Date _____

Topic : <u>Unit Rates- Worksheet 1</u>

Determine the rate

1. A 9-kg bag of mangoes for $12

    _____ per kg

2. 725 miles in 8 hours

    _____ miles per hour

3. Type 1500 words in 30 minutes

    _____ *words per minute*

4. 5000 jumps for 7 hours

    _____ *per hour*

5. 500 calories for 5 servings of candy

    _____ calories per serving

6. 200 chairs in 40 rows

    _____ in each row

7. 50 students in 4 buses

    _____ in each bus

8. A phone calls costs $7 for 3 minutes

    _____ $ per minute

9. 6,000 miles in 3 hours

    _____ miles per hour

10. A 10-kg bag of cherries for $8

    _____ per kg

Name: _____ Date _____

Topic : <u>Unit Rates- Worksheet 2</u>

Determine the rate

1. A 10-kg bag of grapes for $15

   _____ per kg

2. 400 miles in 5 hours

   _____ miles per hour

3. Type 500 words in 20 minutes

   _____ *words per minute*

4. 1000 jumps for 3 hours

   _____ *per hour*

5. 600 calories for 8 servings of cakes

   _____ calories per serving

6. 600 chairs in 10 rows

   _____ in each row

7. 6 students in 2 cars

   _____ in each car

8. A phone calls costs $10 for 5 minutes

   _____ $ per minute

9. 3,000 miles in 5 hours

   _____ miles per hour

10. A 15-kg bag of strawberry for $8

   _____ per kg

Name: _____   Date _____

Topic : <u>Unit Rates- Worksheet 3</u>

Determine the rate

1. A 12 kg bag of pineapples for $14

    _____ per kg

2. 600 miles in 7 hours

    _____ miles per hour

3. Type 800 words in 25 minutes

    _____ *words per minute*

4. 700 jumps for 2 hours

    _____ *per hour*

5. 800 calories for 7 servings of pastries

    _____ calories per serving

6. 500 chairs in 11 rows

    _____ in each row

7. 100 students in 2 ships

    _____ in each ship

8. A phone calls costs $15 for 5 minutes

    _____ $ per minute

9. 5,000 miles in 8 hours

    _____ miles per hour

10. A 10-kg bag of oranges for $20

    _____ per kg

Name: _____   Date _____

Topic : <u>Unit Rates- Worksheet 4</u>

Determine the rate

1. A 20 kg bag of bananas for $10

    _____ per kg

2. 900 miles in 9 hours

    _____ miles per hour

3. Type 900 words in 15 minutes

    _____ *words per minute*

4. 800 jumps for 4 hours

    _____ *per hour*

5.. 700 calories for 10 servings of
     ice-cream

     _____ calories per serving

6. 1000 chairs in 10 rows

    _____ in each row

7. 200 students in 4 buses

    _____ in each bus

8. A phone calls costs $16 for 2 minutes

    _____ $ per minute

9. 7,000 miles in 10 hours

    _____ miles per hour

10. A 14 kg bag of pears for $17

    _____ per kg

Name: _____   Date _____

Topic : <u>Unit Rates- Worksheet 5</u>

Determine the rate

1. A 16 kg bag of watermelon for $8

    _____ per kg

2. 800 miles in 5 hours

    _____ miles per hour

3. Type 700 words in 10 minutes

    _____ *words per minute*

4. 500 jumps for 2 hours

    _____ *per hour*

5. 1000 calories for 12 servings of pizza

    _____ calories per serving

6. 800 chairs in 8 rows

    _____ in each row

7. 400 students in 8 buses

    _____ in each bus

8. A phone calls costs $18 for 3 minutes

    _____ $ per minute

9. 9,000 miles in 9 hours

    _____ miles per hour

10. A 10 kg bag of papayas for $15

    _____ per kg