Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 1 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Ivy pays $40.00 for 5 copies of the same book. How much does one book cost?

Answer: **$8.00**

2. A ribbon is 8.57 meters long. Lily cuts off 6.79 meters. How many meters of ribbon are left?

Answer: **1.78 meters**

3. Max ran 8.7 kilometers last week and 2.7 kilometers this week. How many more kilometers did Max run last week?

Answer: **6 kilometers**

4. A jug holds 6 liters of juice. Each glass holds 0.4 liters. How many glasses can be filled?

Answer: **15 glasses**

5. A board is 6.45 meters long. It is cut into 5 equal pieces. How many meters long is each piece?

Answer: **1.29 meters**

6. Movie tickets cost $3.08 each. Ben buys 4 tickets and pays with $20.00. How much change should Ben get?

Answer: **$7.68**

7. One bag of trail mix weighs 0.55 kilograms. How many kilograms do 8 bags weigh?

Answer: **4.4 kilograms**

8. Zoe buys a sketchbook for $11.67 and a set of markers for $6.19. How much does Zoe spend in all?

Answer: **$17.86**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 2 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Leo buys a sketchbook for $8.39 and a set of markers for $2.28. How much does Leo spend in all?

Answer: **$10.67**

2. A board is 2.88 meters long. It is cut into 4 equal pieces. How many meters long is each piece?

Answer: **0.72 meters**

3. One bag of trail mix weighs 0.63 kilograms. How many kilograms do 3 bags weigh?

Answer: **1.89 kilograms**

4. Ben ran 9 kilometers last week and 4.1 kilometers this week. How many more kilometers did Ben run last week?

Answer: **4.9 kilometers**

5. A jug holds 4 liters of juice. Each glass holds 0.25 liters. How many glasses can be filled?

Answer: **16 glasses**

6. Eli pays $89.81 for 7 copies of the same book. How much does one book cost?

Answer: **$12.83**

7. Movie tickets cost $5.96 each. Nora buys 3 tickets and pays with $20.00. How much change should Nora get?

Answer: **$2.12**

8. A ribbon is 4.68 meters long. Sam cuts off 2.63 meters. How many meters of ribbon are left?

Answer: **2.05 meters**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 3 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Zoe buys a sketchbook for $10.19 and a set of markers for $3.58. How much does Zoe spend in all?

Answer: **$13.77**

2. Movie tickets cost $5.24 each. Sam buys 4 tickets and pays with $30.00. How much change should Sam get?

Answer: **$9.04**

3. Eli pays $44.90 for 5 copies of the same book. How much does one book cost?

Answer: **$8.98**

4. A board is 10.44 meters long. It is cut into 6 equal pieces. How many meters long is each piece?

Answer: **1.74 meters**

5. A jug holds 7 liters of juice. Each glass holds 0.5 liters. How many glasses can be filled?

Answer: **14 glasses**

6. Leo ran 5.7 kilometers last week and 1.5 kilometers this week. How many more kilometers did Leo run last week?

Answer: **4.2 kilometers**

7. One bag of trail mix weighs 0.64 kilograms. How many kilograms do 9 bags weigh?

Answer: **5.76 kilograms**

8. A ribbon is 8.57 meters long. Ava cuts off 2.94 meters. How many meters of ribbon are left?

Answer: **5.63 meters**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 4 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. One bag of trail mix weighs 0.67 kilograms. How many kilograms do 7 bags weigh?

Answer: **4.69 kilograms**

2. A jug holds 4.8 liters of juice. Each glass holds 0.3 liters. How many glasses can be filled?

Answer: **16 glasses**

3. Movie tickets cost $3.78 each. Zoe buys 3 tickets and pays with $20.00. How much change should Zoe get?

Answer: **$8.66**

4. Omar ran 5.8 kilometers last week and 2.6 kilometers this week. How many more kilometers did Omar run last week?

Answer: **3.2 kilometers**

5. A ribbon is 5.67 meters long. Maya cuts off 3.73 meters. How many meters of ribbon are left?

Answer: **1.94 meters**

6. Ivy pays $77.58 for 6 copies of the same book. How much does one book cost?

Answer: **$12.93**

7. Ava buys a sketchbook for $5.26 and a set of markers for $6.81. How much does Ava spend in all?

Answer: **$12.07**

8. A board is 6.84 meters long. It is cut into 4 equal pieces. How many meters long is each piece?

Answer: **1.71 meters**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 5 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. A ribbon is 7.95 meters long. Lily cuts off 3.98 meters. How many meters of ribbon are left?

Answer: **3.97 meters**

2. A jug holds 3.6 liters of juice. Each glass holds 0.4 liters. How many glasses can be filled?

Answer: **9 glasses**

3. Movie tickets cost $9.43 each. Nora buys 4 tickets and pays with $40.00. How much change should Nora get?

Answer: **$2.28**

4. One bag of trail mix weighs 0.79 kilograms. How many kilograms do 5 bags weigh?

Answer: **3.95 kilograms**

5. Sam pays $29.79 for 3 copies of the same book. How much does one book cost?

Answer: **$9.93**

6. Zoe buys a sketchbook for $14.36 and a set of markers for $6.57. How much does Zoe spend in all?

Answer: **$20.93**

7. A board is 5.64 meters long. It is cut into 4 equal pieces. How many meters long is each piece?

Answer: **1.41 meters**

8. Leo ran 6.1 kilometers last week and 4.7 kilometers this week. How many more kilometers did Leo run last week?

Answer: **1.4 kilometers**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 6 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. One bag of trail mix weighs 0.29 kilograms. How many kilograms do 9 bags weigh?

Answer: **2.61 kilograms**

2. A jug holds 3.75 liters of juice. Each glass holds 0.25 liters. How many glasses can be filled?

Answer: **15 glasses**

3. Max ran 5.8 kilometers last week and 2.9 kilometers this week. How many more kilometers did Max run last week?

Answer: **2.9 kilometers**

4. Eli pays $25.84 for 8 copies of the same book. How much does one book cost?

Answer: **$3.23**

5. Movie tickets cost $8.36 each. Nora buys 2 tickets and pays with $20.00. How much change should Nora get?

Answer: **$3.28**

6. Zoe buys a sketchbook for $9.62 and a set of markers for $3.17. How much does Zoe spend in all?

Answer: **$12.79**

7. A ribbon is 3.6 meters long. Theo cuts off 1.33 meters. How many meters of ribbon are left?

Answer: **2.27 meters**

8. A board is 4.08 meters long. It is cut into 3 equal pieces. How many meters long is each piece?

Answer: **1.36 meters**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 7 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Movie tickets cost $4.53 each. Theo buys 3 tickets and pays with $20.00. How much change should Theo get?

Answer: **$6.41**

2. A ribbon is 6.78 meters long. Ben cuts off 2.97 meters. How many meters of ribbon are left?

Answer: **3.81 meters**

3. A board is 5.7 meters long. It is cut into 3 equal pieces. How many meters long is each piece?

Answer: **1.9 meters**

4. A jug holds 3.2 liters of juice. Each glass holds 0.4 liters. How many glasses can be filled?

Answer: **8 glasses**

5. Omar buys a sketchbook for $8.90 and a set of markers for $7.13. How much does Omar spend in all?

Answer: **$16.03**

6. One bag of trail mix weighs 0.45 kilograms. How many kilograms do 3 bags weigh?

Answer: **1.35 kilograms**

7. Lily ran 3.7 kilometers last week and 1.5 kilometers this week. How many more kilometers did Lily run last week?

Answer: **2.2 kilometers**

8. Nora pays $53.83 for 7 copies of the same book. How much does one book cost?

Answer: **$7.69**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 8 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Nora pays $43.68 for 4 copies of the same book. How much does one book cost?

Answer: **$10.92**

2. Leo buys a sketchbook for $17.19 and a set of markers for $5.15. How much does Leo spend in all?

Answer: **$22.34**

3. Omar ran 9.1 kilometers last week and 1.1 kilometers this week. How many more kilometers did Omar run last week?

Answer: **8 kilometers**

4. A jug holds 2.7 liters of juice. Each glass holds 0.3 liters. How many glasses can be filled?

Answer: **9 glasses**

5. One bag of trail mix weighs 0.59 kilograms. How many kilograms do 9 bags weigh?

Answer: **5.31 kilograms**

6. A ribbon is 4.89 meters long. Ivy cuts off 4.11 meters. How many meters of ribbon are left?

Answer: **0.78 meters**

7. Movie tickets cost $5.37 each. Rosa buys 2 tickets and pays with $20.00. How much change should Rosa get?

Answer: **$9.26**

8. A board is 11.28 meters long. It is cut into 6 equal pieces. How many meters long is each piece?

Answer: **1.88 meters**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 9 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. Movie tickets cost $5.01 each. Mia buys 2 tickets and pays with $20.00. How much change should Mia get?

Answer: **$9.98**

2. One bag of trail mix weighs 0.21 kilograms. How many kilograms do 5 bags weigh?

Answer: **1.05 kilograms**

3. Ava buys a sketchbook for $10.29 and a set of markers for $6.97. How much does Ava spend in all?

Answer: **$17.26**

4. A ribbon is 9.2 meters long. Omar cuts off 6.61 meters. How many meters of ribbon are left?

Answer: **2.59 meters**

5. Eli pays $53.35 for 5 copies of the same book. How much does one book cost?

Answer: **$10.67**

6. Rosa ran 5.9 kilometers last week and 4.9 kilometers this week. How many more kilometers did Rosa run last week?

Answer: **1 kilometers**

7. A board is 6.04 meters long. It is cut into 4 equal pieces. How many meters long is each piece?

Answer: **1.51 meters**

8. A jug holds 1.8 liters of juice. Each glass holds 0.2 liters. How many glasses can be filled?

Answer: **9 glasses**

Decimal Word Problems - ANSWER KEY

Grade 5 | Solving word problems that add, subtract, multiply and divide decimals | Version 10 of 10

Solve each problem. Show your work. Write money with a dollar sign and two decimal places, and include units.

1. A ribbon is 9.26 meters long. Nora cuts off 1.7 meters. How many meters of ribbon are left?

Answer: **7.56 meters**

2. A board is 9.3 meters long. It is cut into 6 equal pieces. How many meters long is each piece?

Answer: **1.55 meters**

3. One bag of trail mix weighs 0.87 kilograms. How many kilograms do 7 bags weigh?

Answer: **6.09 kilograms**

4. Omar buys a sketchbook for $19.06 and a set of markers for $4.58. How much does Omar spend in all?

Answer: **$23.64**

5. Zoe ran 6.6 kilometers last week and 5 kilometers this week. How many more kilometers did Zoe run last week?

Answer: **1.6 kilometers**

6. Movie tickets cost $6.87 each. Theo buys 2 tickets and pays with $20.00. How much change should Theo get?

Answer: **$6.26**

7. A jug holds 0.8 liters of juice. Each glass holds 0.2 liters. How many glasses can be filled?

Answer: **4 glasses**

8. Jack pays $51.50 for 5 copies of the same book. How much does one book cost?

Answer: **$10.30**