Understanding Division Problems

Use the completed division problem to answer each question.

1) A post office has 19 pieces of junk mail they want to split evenly between 5 mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?

$19 \div 5 = 3$ r4

2) An industrial machine can make 29 crayons a day. If each box of crayons has 8 crayons in it, how many full boxes does the machine make a day?

$29 \div 8 = 3$ r5

3) George bought 17 pieces of candy to give to 5 of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?

$17 \div 5 = 3$ r2

4) There are 50 students going to a trivia competition. If each school van can hold 8 students, how many vans will they need?

$50 \div 8 = 6$ r2

5) Sam had 13 pieces of candy. If he wants to split the candy into 3 bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount?

$13 \div 3 = 4$ r1

6) A school had 14 students sign up for the trivia teams. If they wanted to have 4 team, with the same number of students on each team, how many more students would need to sign up?

$14 \div 4 = 3$ r2

7) Roger has to sell 40 chocolate bars to win a trip. If each box contains 7 chocolate bars, how many boxes will he need to sell to win the trip?

$40 \div 7 = 5$ r5

8) Faye had saved up 7 quarters and decided to spend them on sodas. If it costs 3 quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?

$7 \div 3 = 2$ r1

9) Each house a carpenter builds needs 2 sinks. If he bought 9 sinks, how many houses would that cover?

$9 \div 2 = 4$ r1

10) Robin is making bead necklaces. She wants to use 31 beads to make 4 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?

$31 \div 4 = 7$ r3

11) A clown needed 39 balloons for a party he was going to, but the balloons only came in packs of 7. How many packs of balloons would he need to buy?

$39 \div 7 = 5$ r4

12) A movie theater needed 76 popcorn buckets. If each package has 8 buckets in it, how many packages will they need to buy?

$76 \div 8 = 9$ r4

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Name: **Answer Key**

Use the completed division problem to answer each question.

Answers

1) A post office has 19 pieces of junk mail they want to split evenly between 5 mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?

$19 \div 5 = 3\ r4$

2) An industrial machine can make 29 crayons a day. If each box of crayons has 8 crayons in it, how many full boxes does the machine make a day?

$29 \div 8 = 3\ r5$

3) George bought 17 pieces of candy to give to 5 of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?

$17 \div 5 = 3\ r2$

4) There are 50 students going to a trivia competition. If each school van can hold 8 students, how many vans will they need?

$50 \div 8 = 6\ r2$

5) Sam had 13 pieces of candy. If he wants to split the candy into 3 bags with the same amount of candy in each bag, how many more pieces would he need to make sure each bag had the same amount?

$13 \div 3 = 4\ r1$

6) A school had 14 students sign up for the trivia teams. If they wanted to have 4 team, with the same number of students on each team, how many more students would need to sign up?

$14 \div 4 = 3\ r2$

7) Roger has to sell 40 chocolate bars to win a trip. If each box contains 7 chocolate bars, how many boxes will he need to sell to win the trip?

$40 \div 7 = 5\ r5$

8) Faye had saved up 7 quarters and decided to spend them on sodas. If it costs 3 quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?

$7 \div 3 = 2\ r1$

9) Each house a carpenter builds needs 2 sinks. If he bought 9 sinks, how many houses would that cover?

$9 \div 2 = 4\ r1$

10) Robin is making bead necklaces. She wants to use 31 beads to make 4 necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?

$31 \div 4 = 7\ r3$

11) A clown needed 39 balloons for a party he was going to, but the balloons only came in packs of 7. How many packs of balloons would he need to buy?

$39 \div 7 = 5\ r4$

12) A movie theater needed 76 popcorn buckets. If each package has 8 buckets in it, how many packages will they need to buy?

$76 \div 8 = 9\ r4$

1. **4**
2. **3**
3. **2**
4. **7**
5. **2**
6. **2**
7. **6**
8. **2**
9. **4**
10. **3**
11. **6**
12. **10**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								