

4.NBT.B.6 Divide 2-Digit Numbers by 1-Digit Divisors

4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Complete each table by using division.

Cups	4	12	20	28	48	72	Fluid ounces	8	16	24	48	72	88
Quarts	1						Cups	1					

2. 40 teams are participating in a regional volleyball tournament. Teams are divided into 7 equal groups. Remaining teams will move straight to the next round. How many teams are in each group? How many teams will move straight to the next round?

Solution:

3. Fill the empty cells in the table.

Dividend	32	26		78		41
Divisor	5		6	9	7	6
Quotient	6	6	11		12	
Remainder	2		3		6	

4. Hannah arranged 43 cupcakes in a tray having 5 rows. There were 3 cupcakes that she had left over. How many cupcakes can a single row in a tray hold?

Solution:

5. There are 60 questions in a math quiz. A team of 4 students has to answer the questions in 3 rounds. Every member of the team has to answer the same number of questions in each of the rounds. How many questions does each student answer in the first round?

Solution:

6. While checking Arnold's luggage for a flight to California, he found out that his suitcase is 2 times heavier than his backpack. Total weight of his luggage was 66 pounds. How much did the backpack weigh?

Solution:

7. Smith family has 5 adults and 2 children. While visiting a zoo, they observed that the ticket price for an adult is twice the ticket price for children. Mr Smith paid \$100 and got \$4 as change. How much did each type of the ticket cost?

Solution:

8. $67 \div 7 = ?$

A. 9 B. 9 r2 C. 9 r3 D. 9 r4

Solution:

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Answer Key

4.NBT.B.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors

1. Complete each table by using division.

Cups	4	12	20	28	48	72	Fluid ounces	8	16	24	48	72	88
Quarts	1	3	5	7	12	18	Cups	1	2	3	6	9	11

2. 40 teams are participating in a regional volleyball tournament. Teams are divided into 7 equal groups. Remaining teams will move straight to the next round. How many teams are in each group? How many teams will move straight to the next round?

Solution: 5 teams in each group; 5 teams will move straight to the next round.

3. Fill the empty cells in the table.

Dividend	32	26	69	78	90	41
Divisor	5	4	6	9	7	6
Quotient	6	6	11	8	12	6
Remainder	2	2	3	6	6	5

4. Hannah arranged 43 cupcakes in a tray having 5 rows. There were 3 cupcakes that she had left over. How many cupcakes can a single row in a tray hold?

Solution: 8

5. There are 60 questions in a math quiz. A team of 4 students has to answer the questions in 3 rounds. Every member of the team has to answer the same number of questions in each of the rounds. How many questions does each student answer in the first round?

Solution: 5 questions

6. While checking Arnold's luggage for a flight to California, he found out that his suitcase is 2 times heavier than his backpack. Total weight of his luggage was 66 pounds. How much did the backpack weigh?

Solution:
22 pounds

7. Smith family has 5 adults and 2 children. While visiting a zoo, they observed that the ticket price for an adult is twice the ticket price for children. Mr Smith paid \$100 and got \$4 as change. How much did each type of the ticket cost?

Solution: \$16- Adult ticket; \$8- Child ticket

8. $67 \div 7 = ?$

A. 9 B. 9 r2 C. 9 r3 D. 9 r4

Solution: D