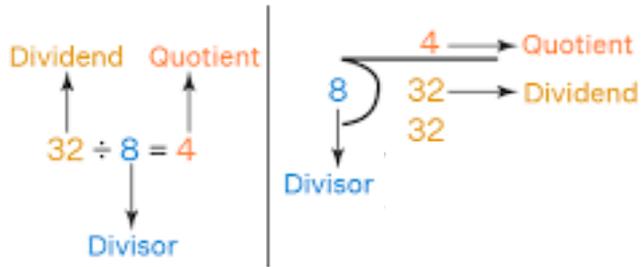


Handed out: 05.02.26

Due in: 11.02.26

Must:

In Maths, we've been focusing on short division using the division bracket (remember, we don't call it the bus stop method) and working on the correct terminology for each part. Please complete part 1 and 2.



Part 1:

Can you solve the following short division questions?

Short division without remainders:

1. $2456 \div 4 =$	2. $2780 \div 5 =$	3. $1944 \div 3 =$																														
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Short division with remainders:

1.	2.	3.																																																																																					
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Part 2:

Using your knowledge of short division, can you solve the following reasoning and problem-solving questions? Use the correct terminology for question 1 and 2 to help with your tips/ explanation.

1 Hassan is solving $3150 \div 5$ using the short method.

		6	1	0
5	3	1	5	0

His teacher says he has made a mistake, but he doesn't know where.

Can you help him by circling his mistake and then giving him some tips?

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2 Donna is solving $4593 \div 8$ using the short method.

		5	8	4	r1
8	4	5	9	3	

Donna says, " $4593 \div 8 = 584r1$ ".

Is she correct? Yes No

Explain your answer.

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3 At Twinklton Station, 6248 passengers waited on 8 platforms on Monday. If an equal number of passengers waited on each platform, how many passengers were on each platform on Monday?

On Tuesday, 6454 passengers used the station. However, one of the platforms was closed. How many passengers waited on each platform on Tuesday?

4 Fill in the blanks to solve these problems.

		8	<input type="text"/>	2
5	<input type="text"/>	4	6	<input type="text"/>

	2	<input type="text"/>	0	7
3	8	1	<input type="text"/>	<input type="text"/>

Should:

Please complete the multiplication/ division word problems using the skills you've been practising. Some questions may have multiple steps. Think about what steps you have to do. There are 5 questions in total.

- Crayons are packed in boxes of 9. There are 428 crayons.
 - How many full boxes can be made?
 - How many crayons will be left over?
- There are 287 people attending a wedding. Each table can seat 6 people.
 - How many tables are needed to seat everyone?
 - How many empty seats will there be on the final table?
- A snack pack contains 5 chocolate bars. A carton holds 4 snack packs. A shop orders 18 cartons. How many chocolate bars does the shop order altogether?

4. A box contains 30 biscuits.
Ella buys 4 boxes of biscuits.
She shares them equally between herself and 5 friends.
How many biscuits does each person get?

5. A school buys 28 boxes of pencils.
Each box contains 9 pencils.
The pencils are shared equally between 7 classes.
A) how many pencils are there altogether?
b) How many pencils does each class get?
c) How many pencils are left over?

Could:

Can you mark the must and should? If you get any wrong, like we do in class, go over it in purple pen (or another colour if you don't have a purple pen at home). You now know what the answer is, so think about where you went wrong and correct yourself with your purple pen till you get it right! This means, you should practise this type of question(s) more too! The answers can be found on the next two pages.

Must answers:

Part 1:

Short division without remainders:

1 $2456 \div 4 = 614$

		6	1	4
4	2	4	5	¹ 6

2 $2780 \div 5 = 556$

		5	5	6
5	2	7	² 8	³ 0

3 $1944 \div 3 = 648$

		6	4	8
3	1	9	¹ 4	² 4

Short division with remainders:

- 1) 20 r 1
- 2) 32 r 1
- 3) 44 r 3

Part 2:

Multiplication Challenge Cards Answers

1. Hassan is solving $3150 \div 5$ using the short method.

		6	1	0
5	3	1	5	0

His teacher says he has made a mistake, but he doesn't know where.

Can you help him by circling his mistake and then giving him some tips?

He has forgotten to exchange the 1 hundred left over from when he found out how many times 5 goes into 31 hundreds. His answer should be 6 hundreds with 1 hundred remaining, making 15 tens, which would then mean he is solving 15 tens \div 5 not 5 tens \div 5. The 1 ten he has written in the answer space should be 3 tens, making the correct answer 630.

2. Donna is solving $4593 \div 8$ using the short method.

		5	8	4	r1
8	4	5	⁹ 3		

Donna says, " $4593 \div 8 = 584r1$ ".

Is she correct? Yes No

Explain your answer.

Donna has made a mistake when finding out how many times 8 goes into 59 tens. The answer is 7 with 3 remaining, not 8 with 3 remaining. The answer should be 574r1.

3. At Twinklton Station, 6248 passengers waited on 8 platforms on Monday. If an equal number of passengers waited on each platform, how many passengers were on each platform on Monday?

		7	8	1
8	6	2	⁴ 8	

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On Tuesday, 6454 passengers used the station. However, one of the platforms was closed. How many passengers waited on each platform on Tuesday?

		9	2	2
7	6	4	⁵ 4	

922

4. Fill in the blanks in these problems.

		8	9	2
5	4	4	⁶ 0	

		2	7	0	7
3	8	¹ 2	¹ 2	¹ 1	

Should answers:

Answers

1. $428 \div 9 = 47 \text{ r } 5$

a) 47 full boxes

b) 5 crayons left over

2. $287 \div 6 = 47 \text{ r } 5$

a) 48 tables are needed (You can't have 47 tables with 5 people left standing).

b) 6 (how many people can sit at a table) $- 5$ (the remainder) = 1 seat spare.

3. $4 \times 5 = 20$ chocolate bars per carton

$18 \times 20 = 360$ chocolate bars

4. $4 \times 30 = 120$ biscuits

$120 \div 6$ (Ella and her 5 friends) = 20 biscuits each

5. a) $28 \times 9 = 252$

b) $252 \div 7 = 36$

c) There are 0 left over.