

4/2/21

Maths Tasks – Yellow challenge

Use the short, formal method of division to solve these calculations.

Look back at the PowerPoint on the website if you need help to remember the steps.

$$264 \div 2 = 132$$

$$528 \div 4 = 132$$

$$369 \div 3 = 123$$

$$483 \div 3 = 161$$

$$550 \div 5 = 110$$

$$725 \div 5 = 145$$

$$484 \div 4 = 121$$

$$525 \div 3 = 175$$

$$326 \div 2 = 163$$

$$648 \div 4 = 162$$

$$423 \div 3 = 141$$

$$572 \div 2 = 286$$

$$655 \div 5 = 131$$

$$948 \div 3 = 316$$

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Maths Tasks – Blue challenge

Use the short, formal method of division to solve these calculations.

Look back at the PowerPoint on the website if you need help to remember the steps.

$$2342 \div 2 = 1171$$

$$7205 \div 5 = 1441$$

$$3828 \div 2 = 1914$$

$$2430 \div 6 = 405$$

$$2139 \div 3 = 713$$

$$2488 \div 8 = 311$$

$$3756 \div 3 = 1252$$

$$6752 \div 4 = 1688$$

$$4564 \div 4 = 1141$$

$$7146 \div 3 = 2382$$

$$5652 \div 4 = 1413$$

$$7533 \div 3 = 2511$$

$$2075 \div 5 = 415$$

$$8640 \div 5 = 1728$$

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Maths Tasks – Green challenge

Solve the following problems.

1. Read problem carefully

2. Identify key information

Remember to:

3. Solve using the correct method

4. APE

1. Shirts are sold in packs of 4. How many packs are needed for 572 shirts?
 $572 \div 4 = 143$. 143 packs are needed for 572 shirts.
2. There are 6 cereal bars in a packet. The total weight of the bars is 822g. What does each bar weigh?
 $822 \div 6 = 137$. Each bar weighs 137g.
3. A teacher asks some children to arrange 1,232 chairs into rows of 8. How many rows of chairs are there?
 $1232 \div 8 = 154$. There are 154 rows of chairs.
4. A cross-country race is four laps of a circuit. The race is 3740m long. How long is the circuit?
 $3740 \div 4 = 935$. The circuit is 935m long.
5. There are seven pieces of chewing gum in each strip. How many strips can be made from 1,106 pieces of chewing gum?
 $1106 \div 7 = 158$. 158 strips can be made.
6. Eight friends rent a villa for fourteen days. The rental fee is £3,896. How much should they each pay?
 $3896 \div 8 = 487$. They should each pay £487.
7. How many weeks is 231 days?
 $231 \div 7 = 33$. 231 days is equivalent to 33 weeks.
8. How many £5 notes make £4,840?
 $4840 \div 5 = 968$. It takes 968 £5 notes to make £4840.

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Maths Tasks – White challenge

Solve the following problems.

1. Read problem carefully

2. Identify key information

Remember to:

3. Solve using the correct method

4. APE

1. Shirts are sold in packs of 5. How many packs can be made from 872 shirts?

$872 \div 5 = 174 \text{ r } 2$. 174 packs can be made with 2 shirts left over.

2. There are 645 guests invited to a ceremony. They will sit at tables of 6. How many tables will there be?

$645 \div 6 = 107 \text{ r } 3$. There will be 107 tables of 6 with 3 people left over.

3. 1,575 need to be arranged into rows of 8. How many rows of chairs will there be?

$1575 \div 8 = 196 \text{ r } 7$. There will be 196 rows of 8 chairs and one row of 7 chairs.

4. Apples are sold in bags of 9. How many bags will be made from 3,680 apples?

$3680 \div 9 = 408 \text{ r } 8$. 408 bags will be made with 8 apples left over.

5. There are six stamps on a page. How many pages can be made from 2,367 stamps?

$2367 \div 6 = 394 \text{ r } 3$. 394 pages can be made from 2367 stamps with 3 left over.

6. Cupcakes are sold in boxes of 4. A baking company makes 5,695 cupcakes. How many boxes will they make?

$5695 \div 4 = 1423 \text{ r } 3$. 1423 boxes will be made with 3 left over.

7. How many weeks is 324 days?

$324 \div 7 = 46 \text{ r } 2$. 324 is 46 weeks and 2 days.

8. £7,348 is made up of how many £5 notes?

$7348 \div 5 = 1469 \text{ r } 3$. It takes 1469 £5 notes plus there will be 3 remainder.

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Maths Tasks – White+ Extension challenge

Can you spot the mistakes in these short division calculations? Explain clearly the mistake that has been made in each and then work out the correct answer.

		9	0	2	
7	6	3	8	4	

7 goes into 8 one time, so the 0 in the answer should be 1 and then there should be 1 left over which needs to go in front of the 4. When the correct exchanging is shown, the answer should be 912.

		9	7	4	
8	7	8	0	0	

8 goes into 40 five times, and not four times. The number should be 5 and not 4. When the correct exchanging is shown, the answer should be 975.

		5	6	1	0
8	4	4	9	6	8

8 goes into 16 two times, not one time. The one should actually be two. When the correct exchanging is shown, the answer should be 5,621.

Find the missing digits so that both calculations have a remainder of 5.

				7	1	r5
9		5				

		1				r5
7	9		6			

Various answers, for example:

		1	7	1		r5
9	1	5	4	4		

		1	3	8	0	r5
7	9	6	6	5		