Division

92 ÷ 4

116 ÷ 4

200 ÷ 9

98 ÷ 4

246 ÷ 9

228 ÷ 8

138 ÷ 6

150 ÷ 7

187 ÷ 7

168 ÷ 8

Working at ARE

resources_mult-div_5393

Division

$84 \div 4$

$109 \div 4$

$104 \div 4$

$110 \div 5$

$121 \div 5$

$168 \div 8$

$100 \div 9$

$84 \div 7$

$100 \div 7$

$96 \div 6$

$129 \div 6$

$132 \div 6$

Working towards ARE

resources_mult-div_5393

Rounding up and down

1. There are 123 guests coming to the wedding.
   The organiser estimates that a third of the guests will want to drink sparkling water, and that they will probably want to drink two glasses each. A bottle holds 6 glasses.
   How many bottles of water will be needed?

2. The DJ is working out how many records he needs to bring.
   The disco will last 2 hours, including a 20 minute break. He allows 3 minutes for each record.
   How many records do you think he should bring?

3. Chef is making a selection of starters including stuffed mushrooms.
   She has 106 mushrooms. She puts four on each plate.
   How many portions can she make?

4. She is also making Chinese style prawn toast. She's worked out that she can get 104 slices of bread from the French baguettes she has.
   If she serves three to a plate, how many portions can she make?

5. A packer who works for an internet company is sending out 173 CDs.
   The special CD boxes come in packs of 8. How many packs does he need to get from the stock cupboard?

6. The internet company have 110 blank DVDs left in stock. They sell these in packs of four.
   How many packs can they put together?

7. The company buys books in packs of six. They have had 143 pre-orders for the latest Dr Who novel.
   How many packs do they need to buy in to meet these orders?

Answers

Division (Working at ARE)

$84 \div 4 =$ **21**	$109 \div 4 =$ **27 r1**
$104 \div 4 =$ **26**	$110 \div 5 =$ **22**
$121 \div 5 =$ **24 r1**	$168 \div 8 =$ **21**
$100 \div 9 =$ **11 r1**	$84 \div 7 =$ **12**
$100 \div 7 =$ **14 r2**	$96 \div 6 =$ **16**
$129 \div 6 =$ **21 r3**	$132 \div 6 =$ **22**

Division (Working towards ARE)

$92 \div 4 =$ **23**	$228 \div 8 =$ **28 r4**
$116 \div 4 =$ **29**	$138 \div 6 =$ **23**
$200 \div 9 =$ **22 r2**	$150 \div 7 =$ **21 r3**
$98 \div 4 =$ **24 r2**	$187 \div 7 =$ **26 r5**
$246 \div 9 =$ **27 r3**	$168 \div 8 =$ **21**

Rounding up and down

1. $123 \div 3 = 41$ guests, $41 \times 2 = 82$ glasses, $82 \div 6 =$ **13 r4 14 bottles are needed**
2. 120 minutes (2 hours) – 20 = 100 minutes, $100 \div 3 =$ **33 r1 34 records are needed**
3. $106 \div 4 =$ **26 r2 Chef can make 26 portions**
4. $104 \div 3 =$ **34 r2 Chef can make 34 portions**
5. $173 \div 8 =$ **21 r5 He needs 22 packs**
6. $110 \div 4 =$ **27 r2 They can put 27 packs together**
7. $143 \div 6 =$ **23 r5 They must order 24 packs of books**