

Use this sheet **WHEN** you've completed the main worksheet and want a challenge. Remember to use your blue book if you have it to show your workings. The questions were resourced from Target Maths Y4 and Key Stage 2 Maths Year 4.

1.

17 Three pavement slabs weigh 87 kg altogether. What does one slab weigh?

18 Guy's book has 112 pages. He has read one eighth of the book. How many pages has he read?

19 Yvonne buys five theatre tickets for £80. How much does each ticket cost?

20 There are nine Penguins in each pack. How many packs can be made from 207 biscuits?

1. $87 \div 3 = 29$
You can break this down into $60 \div 3 = 20$ and $27 \div 3 = 9$
2. $112 \div 8 = 14$
You can break this down into $80 \div 8 = 10$ and $32 \div 8 = 4$
3. $80 \div 5 = 16$
You can break this down into $50 \div 5 = 10$ and $30 \div 5 = 6$
4. $207 \div 9 = 23$
You can break this down into $180 \div 9$ (two lots of $90 \div 9 = 20$ and $27 \div 9 = 3$)

2.

There are 126 players at a 7-a-side rugby tournament. How many teams are there?

There are 84 questions in a quiz. The winning team answer one sixth of the questions wrongly. How many do they get right?

A sprinkler uses nine litres of water every minute. How long has it been on if 153 litres have been used?

Cards are sold in packs of eight. Simon buys 104 cards. How many packs does he buy?

1. $126 \div 7 = 18$ teams
 $70 \div 7 = 10$ $56 \div 7 = 8$
2. $84 \div 6 =$
 $60 \div 6 = 10$ $24 \div 6 = 4$
They got 4 wrong and 80 right.
3. $153 \div 9 = 17$
 $90 \div 9 = 10$ $63 \div 9 = 7$
17 minutes.
4. $104 \div 8 = 13$ packs are bought
 $80 \div 8 = 10$ $24 \div 8 = 3$

3.

Abe and Jas are washing cars. Jas washes 108 cars, which is 12 times more than Abe. How many cars has Abe washed?

Mo's uncle is 63 years old. If Mo multiplies his age by nine he gets his uncle's age. How old is Mo?

There are 100 raisins in a box. Nine friends each take the same number of raisins.

10 What is the greatest number of raisins each friend can get?

The raisins are put back in the box. Three more friends join the group.

11 What is the greatest number of raisins each friend can get now?

1. $108 \div 12 = 9$
Abe washed 9 cars.
2. $63 \div 9 = 7$
Mo is 7 years old.
3. $100 \div 9 = 11 \text{ r } 1$
 $9 \times 11 = 99$.
Each friend can take 11 raisins. There would be 1 left over.
4. If three friends join, there are 12.
 $100 \div 12 = 8 \text{ r } 4$
 $12 \times 8 = 96$.
Each friend can take 8 raisins. There would be 4 left over.

When you've finished – check your answers using the answers sheet.